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USER MANUAL
For COMMUNICATION

Recorder

KRN1000 Series

MCR-KRN1000C-V1.2-EN

Thank you for purchasing an Autonics product.
This user manual contains information about the product and its proper use,
and should be kept in a place where it will be easy to access.

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Preface

Thank you for purchasing an Autonics product.

Please familiarize yourself with the information contained in the **Safety Considerations** section before using this product.

This user manual contains information about the product and its proper use, and should be kept in a place where it will be easy to access.

User Manual Guide

- Please familiarize yourself with the information in this manual before using the product.
- This manual provides detailed information on the product's features. It does not offer any guarantee concerning matters beyond the scope of this manual.
- This manual may not be edited or reproduced in either part or whole without permission.
- This manual is not provided as part of the product package. Visit our web site (www.autonics.com) to download a copy.
- The manual's content may vary depending on changes to the product's software and other unforeseen developments within Autonics, and is subject to change without prior notice. Update notice is provided through out homepage.
- We contrived to describe this manual more easily and correctly. However, if there are any corrections or questions, please notify us these on our homepage.

User Manual for Communication Symbols

Symbol	Description
 Note	Supplementary information for a particular feature.
 Warning	Failure to follow instructions can result in serious injury or death.
 Caution	Failure to follow instructions can lead to a minor injury or product damage.
 Ex.	An example of the concerned feature's use.
※1	Annotation mark.

Safety Considerations

- Following these safety considerations will ensure the safe and proper use of the product and help prevent accidents, as well as minimizing possible hazards.
- Safety considerations are categorized as Warnings and Cautions, as defined below:

Warning	**Warning**	Failure to follow the instructions may lead to a serious injury or accident.

Caution	**Caution**	Failure to follow the instructions may lead to a minor injury or accident.

Warning

- Fail-safe device must be installed when using the unit with machinery that may cause serious injury or substantial economic loss. (e.g. nuclear power control, medical equipment, ships, vehicles, railways, aircraft, combustion apparatus, safety equipment, crime/disaster prevention devices, etc.)
  Failure to follow this instruction may result in personal injury, economic loss or fire.
- Do not connect, repair, or inspect the unit while connected to a power source.
  Failure to follow this instruction may result in fire or electric shock.
- Check 'Connections' before wiring.
  Failure to follow this instruction may result in fire.
- Do not touch the product during operation or for a certain period of time after stopping.
  Failure to follow this instruction may result in burn or fire.
- Do not use the unit in the place where flammable/explosive/corrosive gas, high humidity, direct sunlight, radiant heat, vibration, impact, or salinity may be present.
  Failure to follow this instruction may result in explosion or fire.
- Install on the device panel or DIN rail, and ground to the F.G. terminal separately.
  When connecting the F.G. terminal, use AWG16(1.25mm²) or over.
  Failure to follow this instruction may result in fire or electric shock.
- Do not disassemble or modify the unit.
  Failure to follow this instruction may result in fire or electric shock.
- Since Lithium battery is embedded in the product, do not disassemble or burn the unit.
  Failure to follow this instruction may result in fire.

Caution

- Use the unit within the rated specifications.
  Failure to follow this instruction may result in fire or product damage.
- Use a dry cloth to clean the unit, and do not use water or organic solvent.
  Failure to follow this instruction may result in fire or electric shock.
- Keep the product away from metal chip, dust, and wire residue which flow into the unit.
  Failure to follow this instruction may result in fire or product damage.
- When connecting the power input or measurement input, use AWG20(0.50mm²) cable or over and tighten the terminal screw with a tightening torque of 0.74 to 0.9N.m.
  Failure to follow this instruction may result in fire or malfunction due to contact failure.
- Do not use the load beyond rated switching capacity contact.
  Failure to follow this instruction may result in fire, relay broken, contact melt, insulation failure or contact failure.
- Use the transmitter output card only as the power for the transmitter.
  Failure to follow this instruction may result in output module damage.
- Do not put any heavy object on the front screen.
  Failure to follow this instruction may result in malfunction due to deformation of LCD and touch panel.

※The above specifications are subject to change and some models may be discontinued without notice.

※Be sure to follow cautions written in the instruction manual and the technical descriptions (catalog, homepage).

Table of Contents

1 Modbus RTU Protocol

Modbus is an industrial protocol developed in 1979 for serial communication between devices. Its functionality has gradually expanded to allow implementation in TCP/IP and UDP environments, and it is now widely used for simple, stable, and efficient communication in various network environments. This protocol has become the standard communication method in industrial automation systems, SCADA (Supervisory Control and Data Acquisition systems), and other industrial networks.

Modbus RTU transmits data in a continuous binary format, making it more efficient and faster than ASCII transmission. The frame structure does not clearly distinguish the start and end, but defines the start and end by leaving a silent interval (3.5 character times) between frames.

For more detailed information about Modbus protocol, refer to the documentation provided by the developer.

1.1 Function Code Frame Structure

1.1.1 01 (0x01) Read Coil Status

Reads the ON/OFF status of output (0X reference, coil) in the slave device.

Request frame (master)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x01 (Read Coil Status)
Starting address	2-byte	Starting address of the coil to be read
Quantity of coils	2-byte	Number of coils
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a request frame

Slave address	Function code	Starting address		Quantity of coils		CRC check	
1-byte	1-byte	High	Low	High	Low	Low	High
		1-byte	1-byte	1-byte	1-byte	1-byte	1-byte
CRC-16							

Response frame (slave)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x01 (Read Coil Status)
Byte count	1-byte	Number of bytes in the returned data
Coil status	N-byte	The status of the requested coils is represented. Each coil's status is represented by 1 bit, and 8 coil statuses are grouped into 1 byte. N = number of coils / 8 If the remainder is not zero when divided by 8: N = N + 1
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a response frame

Slave address	Function code	Byte count	Coil status	CRC check	
1-byte	1-byte	1-byte	**N** × byte	Low	High
				1-byte	1-byte
CRC-16					

1.1.2 02 (0x02) Read Input Status

Reads the ON/OFF status of input (1X reference) in the slave device.

Request frame (master)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x02 (Read Input Status)
Starting address	2-byte	Starting address of the input to be read
Quantity of inputs	2-byte	Number of inputs
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a request frame

Slave address	Function code	Starting address		Quantity of inputs		CRC check	
1-byte	1-byte	High	Low	High	Low	Low	High
		1-byte	1-byte	1-byte	1-byte	1-byte	1-byte
CRC-16							

Response frame (slave)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x02 (Read Input Status)
Byte count	1-byte	Number of bytes in the returned data
Input status	N-byte	The status of the requested inputs is represented. Each input's status is represented by 1 bit, and 8 input statuses are grouped into 1 byte. N = number of inputs / 8 If the remainder is not zero when divided by 8: N = N + 1
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a response frame

Slave address	Function code	Byte count	Input status	CRC check	
1-byte	1-byte	1-byte	**N** × byte	Low	High
				1-byte	1-byte
CRC-16					

1.1.3 03 (0x03) Read Holding Registers

Reads the binary data of holding registers (4X reference) in the slave device.

Request frame (master)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x03 (Read Holding Registers)
Starting address	2-byte	Starting address of the first register to be read
Quantity of registers	2-byte	Number of registers
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a request frame

Slave address	Function code	Starting address		Quantity of registers		CRC check	
1-byte	1-byte	High	Low	High	Low	Low	High
		1-byte	1-byte	1-byte	1-byte	1-byte	1-byte
CRC-16							

Response frame (slave)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x03 (Read Holding Registers)
Byte count	1-byte	Number of bytes in the returned data (Number of registers read × 2-byte)
Register value	N × 2-byte	The values of the requested registers are represented. Each register is represented by 2 bytes. N is determined by the number of requested registers.
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a response frame

Slave address	Function code	Byte count	Register value		CRC check	
1-byte	1-byte	1-byte	High	Low	Low	High
			1-byte	**1-byte**	1-byte	1-byte
CRC-16						

1.1.4 04 (0x04) Read Input Registers

Reads the binary data of input registers (3X reference) in the slave device.

Request frame (master)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x04 (Read Input Registers)
Starting address	2-byte	Starting address of the first input register to be read
Quantity of input registers	2-byte	Number of input registers
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a request frame

Slave address	Function code	Starting address		Quantity of input registers		CRC check	
1-byte	1-byte	High	Low	High	Low	Low	High
		1-byte	1-byte	1-byte	1-byte	1-byte	1-byte
CRC-16							

Response frame (slave)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x04 (Read Input Registers)
Byte count	1-byte	Number of bytes in the returned data (Number of registers read × 2-byte)
Register value	N × 2-byte	The values of the requested input registers are represented. Each register is represented by 2 bytes. N is determined by the number of requested registers.
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a response frame

Slave address	Function code	Byte count	Register value		CRC check	
1-byte	1-byte	1-byte	High	Low	Low	High
			1-byte	**1-byte**	1-byte	1-byte
CRC-16						

1.1.5 05 (0x05) Force Single Coil

Forces a single coil (0X reference) to either ON (0xFF00) or OFF (0x0000) status in the slave device.

Request frame (master)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x05 (Force Single Coil)
Coil address	2-byte	Address of the coil to be forced
Force data	2-byte	Sets or resets the coil. (0xFF00 = ON, 0x0000 = OFF)
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a request frame

Slave address	Function code	Coil address		Force data		CRC check	
1-byte	1-byte	High	Low	High	Low	Low	High
		1-byte	1-byte	1-byte	1-byte	1-byte	1-byte
CRC-16							

Response frame (slave)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x05 (Force Single Coil)
Coil address	2-byte	Address of the coil that was forced
Force data	2-byte	The status of the coil is represented. (0xFF00 = ON, 0x0000 = OFF)
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a response frame

Slave address	Function code	Coil address		Force data		CRC check	
1-byte	1-byte	High	Low	High	Low	Low	High
		1-byte	1-byte	1-byte	1-byte	1-byte	1-byte
CRC-16							

1.1.6 06 (0x06) Preset Single Register

Writes the binary data to a single holding register (4X reference) in the slave device.

Request frame (master)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x06 (Preset Single Register)
Register address	2-byte	Address of the register to be preset
Preset data	2-byte	Value to be preset
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a request frame

Slave address	Function code	Register address		Preset data		CRC check	
1-byte	1-byte	High	Low	High	Low	Low	High
		1-byte	1-byte	1-byte	1-byte	1-byte	1-byte
CRC-16							

Response frame (slave)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x06 (Preset Single Register)
Register address	2-byte	Address of the register that was preset
Preset data	2-byte	Value preset to the register
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a response frame

Slave address	Function code	Register address		Preset data		CRC check	
1-byte	1-byte	High	Low	High	Low	Low	High
		1-byte	1-byte	1-byte	1-byte	1-byte	1-byte
CRC-16							

1.1.7 16 (0x10) Preset Multiple Registers

Writes the binary data continuously to multiple holding registers (4X reference) in the slave device.

Request frame (master)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x10 (Preset Multiple Registers)
Starting address	2-byte	Starting address of the first register to be preset
Quantity of registers	2-byte	Number of registers to be preset
Byte count	1-byte	Number of bytes for the register values to be preset (Number of registers to be preset × 2-byte)
Register values	N × 2-byte	The values of the registers to be preset are represented. N is determined by the number of registers to be preset.
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a request frame

Slave addr.	Func. code	Starting addr.		Quantity of registers		Byte count	Register values		CRC check	
1-byte	1-byte	High	Low	High	Low	1-byte	High	Low	Low	High
		1-byte	1-byte	1-byte	1-byte		**1-byte**	**1-byte**	1-byte	1-byte
CRC-16										

Response frame (slave)

Frame element	Data size	Description
Slave address	1-byte	Address of the slave device
Function code	1-byte	0x10 (Preset Multiple Registers)
Starting address	2-byte	Starting address of the first register that was preset
Quantity of registers	2-byte	Number of registers that were preset
CRC check	2-byte	Adds a CRC-16 checksum at the end of the frame to verify data integrity.

Example of a response frame

Slave address	Function code	Starting address		Quantity of registers		CRC check	
1-byte	1-byte	High	Low	High	Low	Low	High
		1-byte	1-byte	1-byte	1-byte	1-byte	1-byte
CRC-16							

Except when downloading parameters with predefined minimum, maximum, or default values based on the input specifications in the PC loader program,
it is recommended to use Preset Single Register rather than Preset Multiple Registers when connecting to external devices such as PLCs or graphic panels.

1.2 Exception Handling

In case of a communication error, the slave device sets the highest bit of the received function code to 1 in its response. It then sends only the exception code, without including any data related to the original request.

Exception response frame

Slave address	Function code + 0x80	Exception code	CRC check
1-byte	1-byte	1-byte	2-byte
CRC-16			

Exception codes

Exception code	Code name	Description
01	ILLEGAL FUNCTION	If the command is not supported.
02	ILLEGAL DATA ADDRESS	If the requested data address is invalid. (e.g. The data address does not exist or the address range is incorrect.)
03	ILLEGAL DATA VALUE	If the requested data value is invalid. (e.g. The data value is out of the allowable range.)
04	SLAVE DEVICE FAILURE	If the parameter is locked, communication write is prohibited, or the command cannot be processed correctly.
06	SLAVE DEVICE BUSY	If the device is in a state where it cannot execute the requested command.

2 Modbus TCP Protocol

Modbus is an industrial protocol developed in 1979 for serial communication between devices. Its functionality has gradually expanded to allow implementation in TCP/IP and UDP environments, and it is now widely used for simple, stable, and efficient communication in various network environments. This protocol has become the standard communication method in industrial automation systems, SCADA (Supervisory Control and Data Acquisition systems), and other industrial networks.

The frame structure of Modbus TCP consists of an MBAP (Modbus Application Protocol) header and the same PDU (Protocol Data Unit) as Modbus RTU. Instead of CRC, Modbus TCP uses the checksum provided by TCP/IP to ensure data integrity.

Modbus TCP frame

MBAP header	Function code	Data
7-byte	1-byte	N-byte
	Modbus PDU	

MBAP header structure

Field	Length	Description
Transaction ID	2-byte	Identifier used to match requests and responses (set by client)
Protocol ID	2-byte	Protocol identifier (0x0000 = Modbus protocol)
Length	2-byte	Number of bytes that follow (length of Unit identifier + Modbus PDU)
Unit ID	1-byte	Address of the slave device

MBAP header			
Transaction ID	Protocol ID	Length	Unit ID
2-byte	2-byte	2-byte	1-byte

ID = identifier

The communication port number for Modbus TCP is **502**.
For more detailed information about Modbus protocol, refer to the documentation provided by the developer.

2.1 Function Code Frame Structure

2.1.1 01 (0x01) Read Coil Status

Reads the ON/OFF status of output (0X reference, coil) in the slave device.

Request frame (master)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x01 (Read Coil Status)
Starting address	2-byte	Starting address of the coil to be read
Quantity of coils	2-byte	Number of coils

Example of a request frame

MBAP header	Function code	Starting address		Quantity of coils	
7-byte	1-byte	High	Low	High	Low
		1-byte	1-byte	1-byte	1-byte

Response frame (slave)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x01 (Read Coil Status)
Byte count	1-byte	Number of bytes in the returned data
Coil status	N-byte	The status of the requested coils is represented. Each coil's status is represented by 1 bit, and 8 coil statuses are grouped into 1 byte. N = number of coils / 8 If the remainder is not zero when divided by 8: N = N + 1

Example of a response frame

MBAP header	Function code	Byte count	Coil status
7-byte	1-byte	1-byte	**N** × byte

2.1.2 02 (0x02) Read Input Status

Reads the ON/OFF status of input (1X reference) in the slave device.

Request frame (master)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x02 (Read Input Status)
Starting address	2-byte	Starting address of the input to be read
Quantity of inputs	2-byte	Number of inputs

Example of a request frame

MBAP header	Function code	Starting address		Quantity of inputs	
7-byte	1-byte	High	Low	High	Low
		1-byte	1-byte	1-byte	1-byte

Response frame (slave)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x02 (Read Input Status)
Byte count	1-byte	Number of bytes in the returned data
Input status	N-byte	The status of the requested inputs is represented. Each input's status is represented by 1 bit, and 8 input statuses are grouped into 1 byte. N = number of inputs / 8 If the remainder is not zero when divided by 8: N = N + 1

Example of a response frame

MBAP header	Function code	Byte count	Input status
7-byte	1-byte	1-byte	**N** × byte

2.1.3 03 (0x03) Read Holding Registers

Reads the binary data of holding registers (4X reference) in the slave device.

Request frame (master)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x03 (Read Holding Registers)
Starting address	2-byte	Starting address of the first register to be read
Quantity of registers	2-byte	Number of registers

Example of a request frame

MBAP header	Function code	Starting address		Quantity of registers	
7-byte	1-byte	High	Low	High	Low
		1-byte	1-byte	1-byte	1-byte

Response frame (slave)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x03 (Read Holding Registers)
Byte count	1-byte	Number of bytes in the returned data (Number of registers read × 2-byte)
Register value	N × 2-byte	The values of the requested registers are represented. Each register is represented by 2 bytes. N is determined by the number of requested registers.

Example of a response frame

MBAP header	Function code	Byte count	Register value	
7-byte	1-byte	1-byte	High	Low
			1-byte	**1-byte**

2.1.4 04 (0x04) Read Input Registers

Reads the binary data of input registers (3X reference) in the slave device.

Request frame (master)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x04 (Read Input Registers)
Starting address	2-byte	Starting address of the first input register to be read
Quantity of input registers	2-byte	Number of input registers

Example of a request frame

MBAP header	Function code	Starting address		Quantity of input registers	
7-byte	1-byte	High	Low	High	Low
		1-byte	1-byte	1-byte	1-byte

Response frame (slave)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x04 (Read Input Registers)
Byte count	1-byte	Number of bytes in the returned data (Number of registers read × 2-byte)
Register value	N × 2-byte	The values of the requested input registers are represented. Each register is represented by 2 bytes. N is determined by the number of requested registers.

Example of a response frame

MBAP header	Function code	Byte count	Register value	
7-byte	1-byte	1-byte	High	Low
			1-byte	**1-byte**

2.1.5 05 (0x05) Force Single Coil

Forces a single coil (0X reference) to either ON (0xFF00) or OFF (0x0000) status in the slave device.

Request frame (master)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x05 (Force Single Coil)
Coil address	2-byte	Address of the coil to be forced
Force data	2-byte	Sets or resets the coil. (0xFF00 = ON, 0x0000 = OFF)

Example of a request frame

MBAP header	Function code	Coil address		Force data	
7-byte	1-byte	High	Low	High	Low
		1-byte	1-byte	1-byte	1-byte

Response frame (slave)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x05 (Force Single Coil)
Coil address	2-byte	Address of the coil that was forced
Force data	2-byte	The status of the coil is represented. (0xFF00 = ON, 0x0000 = OFF)

Example of a response frame

2.1.6 06 (0x06) Preset Single Register

Writes the binary data to a single holding register (4X reference) in the slave device.

Request frame (master)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x06 (Preset Single Register)
Register address	2-byte	Address of the register to be preset
Preset data	2-byte	Value to be preset

Example of a request frame

MBAP header	Function code	Register address		Preset data	
7-byte	1-byte	High	Low	High	Low
		1-byte	1-byte	1-byte	1-byte

Response frame (slave)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x06 (Preset Single Register)
Register address	2-byte	Address of the register that was preset
Preset data	2-byte	Value preset to the register

Example of a response frame

MBAP header	Function code	Register address		Preset data	
7-byte	1-byte	High	Low	High	Low
		1-byte	1-byte	1-byte	1-byte

2.1.7 16 (0x10) Preset Multiple Registers

Writes the binary data continuously to multiple holding registers (4X reference) in the slave device.

Request frame (master)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x10 (Preset Multiple Registers)
Starting address	2-byte	Starting address of the first register to be preset
Quantity of registers	2-byte	Number of registers to be preset
Byte count	1-byte	Number of bytes for the register values to be preset (Number of registers to be preset × 2-byte)
Register values	N × 2-byte	The values of the registers to be preset are represented. N is determined by the number of registers to be preset.

Example of a request frame

MBAP header	Function code	Starting address		Quantity of registers		Byte count	Register values	
7-byte	1-byte	High	Low	High	Low	1-byte	High	Low
		1-byte	1-byte	1-byte	1-byte		**1-byte**	**1-byte**

Response frame (slave)

Frame element	Data size	Description
MBAP header	7-byte	Modbus TCP header
Function code	1-byte	0x10 (Preset Multiple Registers)
Starting address	2-byte	Starting address of the first register that was preset
Quantity of registers	2-byte	Number of registers that were preset

Example of a response frame

MBAP header	Function code	Starting address		Quantity of registers	
7-byte	1-byte	High	Low	High	Low
		1-byte	1-byte	1-byte	1-byte

Except when downloading parameters with predefined minimum, maximum, or default values based on the input specifications in the PC loader program,
it is recommended to use Preset Single Register rather than Preset Multiple Registers when connecting to external devices such as PLCs or graphic panels.

2.2 Exception Handling

In case of a communication error, the slave device sets the highest bit of the received function code to 1 in its response. It then sends only the exception code, without including any data related to the original request.

Exception response frame

MBAP header	Function code + 0x80	Exception code
7-byte	1-byte	1-byte

Exception codes

Exception code	Code name	Description
01	ILLEGAL FUNCTION	If the command is not supported.
02	ILLEGAL DATA ADDRESS	If the requested data address is invalid. (e.g. The data address does not exist or the address range is incorrect.)
03	ILLEGAL DATA VALUE	If the requested data value is invalid. (e.g. The data value is out of the allowable range.)
04	SLAVE DEVICE FAILURE	If the parameter is locked, communication write is prohibited, or the command cannot be processed correctly.
06	SLAVE DEVICE BUSY	If the device is in a state where it cannot execute the requested command.

3 Modbus Mapping Table

3.1 Read Coil Status (Func 01) / Force Single Coil (Func 05)

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
000001 (0000)	01/05	R/W	Record Start/Stop	Record Start/Stop	0: Record stop, 1: Record start	-	0	
000002 (0000)	01/05	R/W	Screen capture	Screen capture	0: None, 1: Screen capture	-	0	
000003 to 000050	01/05	R/W	Reserved					

3.2 Read Discrete Input Status (Func 02)

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
100001 (0000)	02	R	CH-1	CH-1 insertion	0: None, 1: Insert	-	-	
100002 (0001)	02	R	CH-2	CH-2 insertion	0: None, 1: Insert	-	-	
100003 (0002)	02	R	CH-3	CH-3 insertion	0: None, 1: Insert	-	-	
100004 (0003)	02	R	CH-4	CH-4 insertion	0: None, 1: Insert	-	-	
100005 (0004)	02	R	CH-5	CH-5 insertion	0: None, 1: Insert	-	-	
100006 (0005)	02	R	CH-6	CH-6 insertion	0: None, 1: Insert	-	-	
100007 (0006)	02	R	CH-7	CH-7 insertion	0: None, 1: Insert	-	-	
100008 (0007)	02	R	CH-8	CH-8 insertion	0: None, 1: Insert	-	-	
100009 (0008)	02	R	CH-9	CH-9 insertion	0: None, 1: Insert	-	-	
100010 (0009)	02	R	CH-10	CH-10 insertion	0: None, 1: Insert	-	-	
100011 (000A)	02	R	CH-11	CH-11 insertion	0: None, 1: Insert	-	-	
100012 (000B)	02	R	CH-12	CH-12 insertion	0: None, 1: Insert	-	-	
100013 (000C)	02	R	CH-13	CH-13 insertion	0: None, 1: Insert	-	-	
100014 (000D)	02	R	CH-14	CH-14 insertion	0: None, 1: Insert	-	-	
100015 (000E)	02	R	CH-15	CH-15 insertion	0: None, 1: Insert	-	-	
100016 (000F)	02	R	CH-16	CH-16 insertion	0: None, 1: Insert	-	-	
100017 (0010)	02	R	Reserved					
100018 (0011)	02	R	Reserved					
100019 (0012)	02	R	ALARM	Alarm output	0: OFF, 1: ON	-	-	Displays ON when over 1 alarm output turns ON.
100020 (0013)	02	R	Relay-1	Relay-1 output	0: OFF, 1: ON	-	-	
100021 (0014)	02	R	Relay-2	Relay-2 output	0: OFF, 1: ON	-	-	
100022 (0015)	02	R	Relay-3	Relay-3 output	0: OFF, 1: ON	-	-	
100023 (0016)	02	R	Relay-4	Relay-4 output	0: OFF, 1: ON	-	-	
100024 (0017)	02	R	Relay-5	Relay-5 output	0: OFF, 1: ON	-	-	
100025 (0018)	02	R	Relay-6	Relay-6 output	0: OFF, 1: ON	-	-	
100026 (0019)	02	R	Relay-7	Relay-7 output	0: OFF, 1: ON	-	-	
100027 (001A)	02	R	Relay-8	Relay-8 output	0: OFF, 1: ON	-	-	
100028 (001B)	02	R	DI	Digital input	0: OFF, 1: ON	-	-	Displays ON when over 1 digital input turns ON.
100029 (001C)	02	R	DI-1	DI-1input	0: OFF, 1: ON	-	-	Digital input 1
100030 (001D)	02	R	DI-2	DI-2input	0: OFF, 1: ON	-	-	Digital input 2
100031 (001E)	02	R	LOCK	Lock setting	0: OFF, 1: ON	-	-	Log in function
100032 (001F)	02	R	Relay-1 PLUG	Relay-1 insertion	0: None, 1: Insert	-	-	
100033 (0020)	02	R	Relay-2 PLUG	Relay-2 insertion	0: None, 1: Insert	-	-	
100034 (0021)	02	R	Relay-3 PLUG	Relay-3 insertion	0: None, 1: Insert	-	-	
100035 (0022)	02	R	Relay-4 PLUG	Relay-4 insertion	0: None, 1: Insert	-	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
100036 (0023)	02	R	Relay-5 PLUG	Relay-5 insertion	0: None, 1: Insert	-	-	
100037 (0024)	02	R	Relay-6 PLUG	Relay-6 insertion	0: None, 1: Insert	-	-	
100038 (0025)	02	R	Relay-7 PLUG	Relay-7 insertion	0: None, 1: Insert	-	-	
100039 (0026)	02	R	Relay-8 PLUG	Relay-8 insertion	0: None, 1: Insert	-	-	
100040 (0027)	02	R	DI-1 PLUG	DI-1 insertion	0: None, 1: Insert	-	-	
100041 (0028)	02	R	DI-2 PLUG	DI-2 insertion	0: None, 1: Insert	-	-	
100042 (0029)	02	R	1-4 CH Insert	1-4 CH insertion	0: None, 1: Insert	-	-	
100043 (002A)	02	R	5-8 CH Insert	5-8 CH insertion	0: None, 1: Insert	-	-	
100044 (002B)	02	R	9-12 CH Insert	9-12 CH insertion	0: None, 1: Insert	-	-	
100045 (002C)	02	R	13-16 CH Insert	13-16 CH insertion	0: None, 1: Insert	-	-	
100046 (002D)	02	R	Option slot	Option slot insertion	0: None, 1: Insert	-	-	
100047 (002E)	02	R	USB Insert	USB memory insertion	0: None, 1: Insert	-	-	
100048 (002F)	02	R	SD Insert	SD memory insertion	0: None, 1: Insert	-	-	
100049 to 101050	02	R	Reserved					

3.3 Read Input Register (Func 04)

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
300001 to 300100	04	R	Reserved					
300101 (0064)	04	R	Model Number H	Product number H	0	-	0	
300102 (0065)	04	R	Model Number L	Product number L	0	-	0	
300103 (0066)	04	R	H/W Version	Hardware version	0	-	0	
300104 (0067)	04	R	S/W Version	Software version	0	-	0	
300105 (0068)	04	R	Model Name 1	Model name 1	"KR"	-	KR	
300106 (0069)	04	R	Model Name 2	Model name 2	"N1"	-	N1	
300107 (006A)	04	R	Model Name 3	Model name 3	"00"	-	00	
300108 (006B)	04	R	Model Name 4	Model name 4	"0-"	-	0-	
300109 (006C)	04	R	Model Name 5	Model name 5	"RE"	-	RE	
300110 (006D)	04	R	Model Name 6	Model name 6	"CO"	-	CO	
300111 (006E)	04	R	Model Name 7	Model name 7	"RD"	-	RD	
300112 (006F)	04	R	Model Name 8	Model name 8	"0S"	-	0S	
300113 (0070)	04	R	Model Name 9	Model name 9	" "	-		
300114 (0071)	04	R	Model Name 10	Model name 10	" "	-		
300115 (0072)	04	R	Reserved	Reserved	-	-	-	
300116 (0073)	04	R			-	-	-	
300117 (0074)	04	R			-	-	-	
300118 (0075)	04	R	Coil Status Start Address	Coil status start address	-	-	0	
300119 (0076)	04	R	Coil Status Quantity	Coil status quantity	-	-	0	
300120 (0077)	04	R	Input Status Start Address	Input status start address	-	-	0	
300121 (0078)	04	R	Input Status Quantity	Input status quantity	-	-	0	
300122 (0079)	04	R	Holding Register Start Address	Holding register start address	-	-	0	
300123 (007A)	04	R	Holding Register Quantity	Holding register quantity	-	-	0	
300124 (007B)	04	R	Input Register Start Address	Input register start address	-	-	0	
300125 (007C)	04	R	Input Register Quantity	Input register quantity	-	-	0	
300127 to 300200	04	R	Reserved					
300201 (00C8)	04	R	Group	Display group name	Group name by user setting 1 to 7 characters (English capital/small letter, sign, number)	-	GR	
300202 (00C9)	04	R				-	OU	
300203 (00CA)	04	R				-	P1	
300204 (00CB)	04	R				-		
300205 (00CC)	04	R	Reserved	Reserved	-	-	-	
300206 (00CD)	04	R				-	-	
300207 (00CE)	04	R				-	-	
300208 (00CF)	04	R	Display	Display method (screen graph setting)	0: Bar graph, 1: Vertical trend, 2: Horizontal trend, 3: Divided vertical trend, 4: Divided horizontal trend, 5: Digital group, 6: All digital, 7: Mixed horizontal, 8: Mixed vertical	-	0	
300209 (00D0)	04	R	Lock Setting	Lock/Unlock setting	0: OFF, 1: ON	-	0	Log in function
300210 (00D1)	04	R	Record Status	Record start/stop status	0: OFF, 1: ON	-	0	
300211 (00D2)	04	R	Alarm Status	Alarm ON/OFF status	0: OFF, 1: ON	-	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
300212 (00D3)	04	R	Internal Memory	Internal memory status	0: None, 1: Insert, 2: Record, 3: Error	-	-	
300213 (00D4)	04	R	USB Memory	USB memory status	0: None, 1: Insert, 2: Record, 3: Error	-	-	
300214 (00D5)	04	R	SD Memory	SD memory status	0: None, 1: Insert, 2: Record, 3: Error	-	-	
300215 (00D6)	04	R	Year	Year	00 to 99	-	-	00: 2000 year, 99: 2099 year
300216 (00D7)	04	R	Month	Month	00 to 12	-	-	
300217 (00D8)	04	R	Day	Day	00 to 31	-	-	
300218 (00D9)	04	R	Hour	Hour	00 to 23	-	-	
300219 (00DA)	04	R	Minute	Minute	00 to 59	-	-	
300220 (00DB)	04	R	Second	Second	00 to 59	-	-	
300221 (00DC)	04	R	CH1 PV	CH1 PV (display value)	-	-	-	※1
300222 (00DD)								
300223 (00DE)	04	R	CH1 Display Unit	CH1 display unit	Refer to display unit table.※2	-	0	
300224 (00DF)	04	R	CH1 User Unit	CH1 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300225 (00E0)	04	R						
300226 (00E1)	04	R						
300227 (00E2)	04	R	CH1 Decimal Point	CH1 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300228 (00E3)	04	R	CH1 Alarm 1	CH1 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300229 (00E4)	04	R	CH1 Alarm 2	CH1 alarm 2 status				
300230 (00E5)	04	R	CH1 Alarm 3	CH1 alarm 3 status				
300231 (00E6)	04	R	CH1 Alarm 4	CH1 alarm 4 status				
300232 (00E7)	04	R	CH2 PV	CH2 PV (display value)	-	-	-	※1
300233 (00E8)								
300234 (00E9)	04	R	CH2 Display Unit	CH2 display unit	Refer to display unit table.※2	-	0	
300235 (00EA)	04	R	CH2 User Unit	CH2 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300236 (00EB)	04	R						
300237 (00EC)	04	R						
300238 (00ED)	04	R	CH2 Decimal Point	CH2 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300239 (00EE)	04	R	CH2 Alarm 1	CH2 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300240 (00EF)	04	R	CH2 Alarm 2	CH2 alarm 2 status				
300241 (00F0)	04	R	CH2 Alarm 3	CH2 alarm 3 status				
300242 (00F1)	04	R	CH2 Alarm 4	CH2 alarm 4 status				
300243 (00F2)	04	R	CH3 PV	CH3 PV(display value)	-	-	-	※1
300244 (00F3)								
300245 (00F4)	04	R	CH3 Display Unit	CH3 display unit	Refer to display unit table.※2	-	0	
300246 (00F5)	04	R	CH3 User Unit	CH3 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300247 (00F6)	04	R						
300248 (00F7)	04	R						
300249 (00F8)	04	R	CH3 Decimal Point	CH3 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								PV
300250 (00F9)	04	R	CH3 Alarm 1	CH3 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5:SBA	-	-	
300251 (00FA)	04	R	CH3 Alarm 2	CH3 alarm 2 status				
300252 (00FB)	04	R	CH3 Alarm 3	CH3 alarm 3 status				
300253 (00FC)	04	R	CH3 Alarm 4	CH3 alarm 4 status				
300254 (00FD)	04	R	CH4 PV	CH4 PV(display value)	-	-	-	※1
300255 (00FE)								
300256 (00FF)	04	R	CH4 Display Unit	CH4 display unit	Refer to display unit table.※2	-	0	
300257 (0100)	04	R	CH4 User Unit	CH4 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300258 (0101)	04	R						
300259 (0102)	04	R						
300260 (0103)	04	R	CH4 Decimal Point	CH4 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300261 (0104)	04	R	CH4 Alarm 1	CH4 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300262 (0105)	04	R	CH4 Alarm 2	CH4 alarm 2 status				
300263 (0106)	04	R	CH4 Alarm 3	CH4 alarm 3 status				
300264 (0107)	04	R	CH4 Alarm 4	CH4 alarm 4 status				
300265 (0108)	04	R	CH5 PV	CH5 PV(display value)	-	-	-	※1
300266 (0109)								
300267 (010A)	04	R	CH5 Display Unit	CH5 display unit	Refer to Display Unit table.※2	-	0	
300268 (010B)	04	R	CH5 User Unit	CH5 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300269 (010C)	04	R						
300270 (010D)	04	R						
300271 (010E)	04	R	CH5 Decimal Point	CH5 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300272 (010F)	04	R	CH5 Alarm 1	CH5 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300273 (0110)	04	R	CH5 Alarm 2	CH5 alarm 2 status				
300274 (0111)	04	R	CH5 Alarm 3	CH5 alarm 3 status				
300275 (0112)	04	R	CH5 Alarm 4	CH5 alarm 4 status				
300276 (0113)	04	R	CH6 PV	CH6 PV(display value)	-	-	-	※1
300277 (0114)								
300278 (0115)	04	R	CH6 Display Unit	CH6 display unit	Refer to display unit table.※2	-	0	
300279 (0116)	04	R	CH6 User Unit	CH6 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300280 (0117)	04	R						
300281 (0118)	04	R						
300282 (0119)	04	R	CH6 Decimal Point	CH6 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300283 (011A)	04	R	CH6 Alarm 1	CH6 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300284 (011B)	04	R	CH6 Alarm 2	CH6 alarm 2 status				
300285 (011C)	04	R	CH6 Alarm 3	CH6 alarm 3 status				
300286 (011D)	04	R	CH6 Alarm 4	CH6 alarm 4 status				
300287 (011E)	04	R	CH7 PV	CH7 PV(display value)	-	-	-	※1
300288 (011F)								

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
300289 (0120)	04	R	CH7 Display Unit	CH7 display unit	Refer to display unit table. ※2	-	0	
300290 (0121)	04	R	CH7 User Unit	CH7 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300291 (0122)	04	R						
300292 (0123)	04	R						
300293 (0124)	04	R	CH7 Decimal Point	CH7 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300294 (0125)	04	R	CH7 Alarm 1	CH7 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300295 (0126)	04	R	CH7 Alarm 2	CH7 alarm 2 status				
300296 (0127)	04	R	CH7 Alarm 3	CH7 alarm 3 status				
300297 (0128)	04	R	CH7 Alarm 4	CH7 alarm 4 status				
300298 (0129)	04	R	CH8 PV	CH8 PV(display value)	-	-	-	※1
300299 (012A)								
300300 (012B)	04	R	CH8 Display Unit	CH8 display unit	Refer to display unit table. ※2	-	0	
300301 (012C)	04	R	CH8 User Unit	CH8 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300302 (012D)	04	R						
300303 (012E)	04	R						
300304 (012F)	04	R	CH8 Decimal Point	CH8 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300305 (0130)	04	R	CH8 Alarm 1	CH8 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300306 (0131)	04	R	CH8 Alarm 2	CH8 alarm 2 status				
300307 (0132)	04	R	CH8 Alarm 3	CH8 alarm 3 status				
300308 (0133)	04	R	CH8 Alarm 4	CH8 alarm 4 status				
300309 (0134)	04	R	CH9 PV	CH9 PV(display value)	-	-	-	※1
300310 (0135)								
300311 (0136)	04	R	CH9 Display Unit	CH9 display unit	Refer to display unit table. ※2	-	0	
300312 (0137)	04	R	CH9 User Unit	CH9 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300313 (0138)	04	R						
300314 (0139)	04	R						
300315 (013A)	04	R	CH9 Decimal Point	CH9 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300316 (013B)	04	R	CH9 Alarm 1	CH9 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300317 (013C)	04	R	CH9 Alarm 2	CH9 alarm 2 status				
300318 (013D)	04	R	CH9 Alarm 3	CH9 alarm 3 status				
300319 (013E)	04	R	CH9 Alarm 4	CH9 alarm 4 status				
300320 (013F)	04	R	CH10 PV	CH10 PV(display value)	-	-	-	※1
300321 (0140)								
300322 (0141)	04	R	CH10 Display Unit	CH10 display unit	Refer to display unit table. ※2	-	0	
300323 (0142)	04	R	CH10 User Unit	CH10 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300324 (0143)	04	R						
300325 (0144)	04	R						
300326 (0145)	04	R	CH10 Decimal Point	CH10 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
300327 (0146)	04	R	CH10 Alarm 1	CH10 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300328 (0147)	04	R	CH10 Alarm 2	CH10 alarm 2 status				
300329 (0148)	04	R	CH10 Alarm 3	CH10 alarm 3 status				
300330 (0149)	04	R	CH10 Alarm 4	CH10 alarm 4 status				
300331 (014A)	04	R	CH11 PV	CH11 PV(display value)	-	-	-	※1
300332 (014B)								
300333 (014C)	04	R	CH11 Display Unit	CH11 display unit	Refer to display unit table. ※2	-	0	
300334 (014D)	04	R	CH11 User Unit	CH11 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300335 (014E)	04	R						
300336 (014F)	04	R						
300337 (0150)	04	R	CH11 Decimal Point	CH11 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300338 (0151)	04	R	CH11 Alarm 1	CH11 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300339 (0152)	04	R	CH11 Alarm 2	CH11 alarm 2 status				
300340 (0153)	04	R	CH11 Alarm 3	CH11 alarm 3 status				
300341 (0154)	04	R	CH11 Alarm 4	CH11 alarm 4 status				
300342 (0155)	04	R	CH12 PV	CH12 PV(display value)	-	-	-	※1
300343 (0156)								
300344 (0157)	04	R	CH12 Display Unit	CH12 display unit	Refer to display dnit table. ※2	-	0	
300345 (0158)	04	R	CH12 User Unit	CH12 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300346 (0159)	04	R						
300347 (015A)	04	R						
300348 (015B)	04	R	CH12 Decimal Point	CH12 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300349 (015C)	04	R	CH12 Alarm 1	CH12 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300350 (015D)	04	R	CH12 Alarm 2	CH12 alarm 2 status				
300351 (015E)	04	R	CH12 Alarm 3	CH12 alarm 3 status				
300352 (015F)	04	R	CH12 Alarm 4	CH12 alarm 4 status				
300353 (0160)	04	R	CH13 PV	CH13 PV(display value)	-	-	-	※1
300354 (0161)								
300355 (0162)	04	R	CH13 Display Unit	CH13 display unit	Refer to display unit table. ※2	-	0	
300356 (0163)	04	R	CH13 User Unit	CH13 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300357 (0164)	04	R						
300358 (0165)	04	R						
300359 (0166)	04	R	CH13 Decimal Point	CH13 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300360 (0167)	04	R	CH13 Alarm 1	CH13 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300361 (0168)	04	R	CH13 Alarm 2	CH13 alarm 2 status				
300362 (0169)	04	R	CH13 Alarm 3	CH13 alarm 3 status				
300363 (016A)	04	R	CH13 Alarm 4	CH13 alarm 4 status				
300364 (016B)	04	R	CH14 PV	CH14 PV(display value)	-	-	-	※1
300365 (016C)								
300366 (016D)	04	R	CH14 Display Unit	CH14 display unit	Refer to display unit table.	-	0	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
					※2			
300367 (016E)	04	R	CH14 User Unit	CH14 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300368 (016F)	04	R						
300369 (0170)	04	R						
300370 (0171)	04	R	CH14 Decimal Point	CH14 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300371 (0172)	04	R	CH14 Alarm 1	CH14 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300372 (0173)	04	R	CH14 Alarm 2	CH14 alarm 2 status				
300373 (0174)	04	R	CH14 Alarm 3	CH14 alarm 3 status				
300374 (0175)	04	R	CH14 Alarm 4	CH14 alarm 4 status				
300375 (0176)	04	R	CH15 PV	CH15 PV(display value)	-	-	-	※1
300376 (0177)								
300377 (0178)	04	R	CH15 Display Unit	CH15 display unit	Refer to display unit table. ※2	-	0	
300378 (0179)	04	R	CH15 User Unit	CH15 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300379 (017A)	04	R						
300380 (017B)	04	R						
300381 (017C)	04	R	CH15 Decimal Point	CH15 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300382 (017D)	04	R	CH15 Alarm 1	CH15 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300383 (017E)	04	R	CH15 Alarm 2	CH15 alarm 2 status				
300384 (017F)	04	R	CH15 Alarm 3	CH15 alarm 3 status				
300385 (0180)	04	R	CH15 Alarm 4	CH15 alarm 4 status				
300386 (0181)	04	R	CH16 PV	CH16 PV(display value)	-	-	-	※1
300387 (0182)								
300388 (0183)	04	R	CH16 Display Unit	CH16 display unit	Refer to display unit table. ※2	-	0	
300389 (0184)	04	R	CH16 User Unit	CH16 user unit	1 to 6 characters (English capital/small letter, sign, number)	-	-	※3
300390 (0185)	04	R						
300391 (0186)	04	R						
300392 (0187)	04	R	CH16 Decimal Point	CH16 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	Decimal Point setting of PV
300393 (0188)	04	R	CH16 Alarm 1	CH16 alarm 1 status	0: OFF, 1: PV-Hi, 2: PV-Lo, 3: DV-Hi, 4: DV-Lo, 5: SBA	-	-	
300394 (0189)	04	R	CH16 Alarm 2	CH16 alarm 2 status				
300395 (018A)	04	R	CH16 Alarm 3	CH16 alarm 3 status				
300396 (018B)	04	R	CH16 Alarm 4	CH16 alarm 4 status				
300397 to 300418	04	R	Reserved					
300419 (01A2)	04	R	CH1 Tag Name	CH1 tag name		-	"CH-1"	
300420 (01A3)								
300421 (01A4)								
300422 (01A5)	04	R	CH2 Tag Name	CH2 tag name		-	"CH-2"	
300423 (01A6)								
300424 (01A7)								
300425 (01A8)	04	R	CH3 Tag Name	CH3 tag name		-	"CH-3"	
300426 (01A9)								
300427 (01AA)								
300428 (01AB)	04	R	CH4 Tag Name	CH4 tag name		-	"CH-4"	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
300429 (01AC) 300430 (01AD)								
300431 (01AE) 300432 (01AF) 300433 (01B0)	04	R	CH5 Tag Name	CH5 tag name		-	"CH-5"	
300434 (01B1) 300435 (01B2) 300436 (01B3)	04	R	CH6 Tag Name	CH6 tag name		-	"CH-6"	
300437 (01B4) 300438 (01B5) 300439 (01B6)	04	R	CH7 Tag Name	CH7 tag name		-	"CH-7"	
300440 (01B7) 300441 (01B8) 300442 (01B9)	04	R	CH8 Tag Name	CH8 tag name		-	"CH-8"	
300443 (01BA) 300444 (01BB) 300445 (01BC)	04	R	CH9 Tag Name	CH9 tag name		-	"CH-9"	
300446 (01BD) 300447 (01BE) 300448 (01BF)	04	R	CH10 Tag Name	CH10 tag name		-	"CH-10"	
300449 (01C0) 300450 (01C1) 300451 (01C2)	04	R	CH11 Tag Name	CH11 tag name		-	"CH-11"	
300452 (01C3) 300453 (01C4) 300454 (01C5)	04	R	CH12 Tag Name	CH12 tag name		-	"CH-12"	
300455 (01C6) 300456 (01C7) 300457 (01C8)	04	R	CH13 Tag Name	CH13 tag name		-	"CH-13"	
300458 (01C9) 300459 (01CA) 300460 (01CB)	04	R	CH14 Tag Name	CH14 tag name		-	"CH-14"	
300461 (01CC) 300462 (01CD) 300463 (01CE)	04	R	CH15 Tag Name	CH15 tag name		-	"CH-15"	
300464 (01CF) 300465 (01D0) 300466 (01D1)	04	R	CH16 Tag Name	CH16 tag name		-	"CH-16"	
300467 to 300472	04	R	Reserved					
300473 (01D8)	04	R	Option	Option insertion	0: None 1: TYPE1 2: TYPE2 3: TYPE3 4: TYPE4	-	-	TYPE1 - Relay-8 TYPE2 - Relay-6, DI-2 TYPE3 - Relay-6, 24V TYPE4 - Relay-4, DI-2, 24V
300474 to 300500	04	R	Reserved					

※1. Return value for abnormal value is as below.

- Higher value than measurement range of the sensor range: -210000000(HHHH)
- Lower value than measurement range of the sensor range: -220000000(LLLL)
- Error status such as unknown sensor type setting: -230000000(ERR)

- Not-installed module for the channel: -240000000(NONE)
- Higher than input type: -250000000(BURN)
- Lower than input type or broken temperature sensor, RTC, TC: -260000000(BURN)
- PV value except above exceptional values should be set Decimal Point referring "Decimal Point". When "Decimal Point" value is "1", it displays PV/10. When it is "2", it displays PV/100. When it is "3", it displays PV/1000. When it is "4", it displays PV/10000.

※2. Display unit table

No	Unit	No	Unit	No	Unit	No	Unit	No	Unit
0	°C	16	%	32	V	48	mA	64	User1
1	°F	17	Wt%	33	mV	49	A	65	User2
2	K	18	mass%	34	μV	50	kg/cm^2	66	User3
3	$Kcal/m^3$	19	Vol%	35	kV	51	P	67	User4
4	Kcal	20	ppm	36	Ω	52	kPa	68	User5
5	cal	21	ppb	37	mΩ	53	MPa	69	User6
6	j	22	mol	38	μΩ	54	N/m^2	70	User7
7	Btu	23	Space	39	s	55	N/mm^2	71	User8
8	l	24	lx	40	μs	56	inH_2O	72	User9
9	ml	25	cd	41	VA	57	mmH_2O		
10	t	26	lm	42	W	58	bar		
11	Val	27	cd/m^2	43	kW	59	Torr		
12	lb	28	rpm	44	MW	60	mmHg		
13	oz	29	Hz	45	Var	61	mmAq		
14	barrel	30	m^2/s	46	kVar	62	psi		
15	-	31	cp	47	MVar	63	User0		

※3. Displays when Display Unit is set as User 0 to User 9.

3.4 Read Holding Register (Func 03) / Preset Single Register (Func 06) / Preset Multiple Registers (Func 16)

3.4.1 Display

3.4.1.1 Screen Display

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
400001 (0000)	03/06/16	R/W	Display	Display method (screen graph setting)	0: Bar graph, 1: Vertical trend, 2: Horizontal trend, 3: Divided vertical trend, 4: Divided horizontal trend, 5: Digital group, 6: All digital, 7: Mixed horizontal, 8: Mixed vertical	-	0	
400002 (0001)	03/06/16	R/W	Group	Displaying group	0: GROUP 1 to 5: GROUP 6	-	0	
400003 to 400200	03	R	Reserved					

3.4.1.2 Group Setting

3.4.1.2.1. Group 1

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
400201 (00C8)	03/06/16	R/W	Group 1>Group	Group 1 Group name	1 to 7 characters	-	GROUP 1	
400202 (00C9)								
400203 (00CA)								
400204 (00CB)								
400205 (00CC)	03/06/16	R/W	Group 1>CH Roation Time	Group 1 CH roation time	0: disable, 1 to 3600	Sec	5	
400206 (00CD)	03/06/16	R	Group 1 >No. of CHs	Group 1 number of CHs	0 to 16	Numbers	-	
400207 (00CE)	03/06/16	R/W	Group 1 >Background	Group 1 >Background color	Refer color table.※4	-	21	
400208 (00CF)	03/06/16	R/W	Group 1 >Pen 1 CH	Group 1 >Pen 1 CH	0: None, 1 to 16	-	Auto setting	
400209 (00D0)	03/06/16	R/W	Group 1 >Pen 1 Color	Group 1 >Pen 1 color	Refer color table.※4	-	Auto setting	
400210 (00D1)	03/06/16	R/W	Group 1 >Pen 1 Line Thickness	Group 1 >Pen 1 line thickness	0: 1, 1: 2, 2: 3	-	1	
400211 (00D2)	03/06/16	R/W	Group 1 >Pen 1 Min. Value	Group 1 >Pen 1 min. display value	Input range of input type	-	-200.0	
400212 (00D3)								
400213 (00D4)	03/06/16	R/W	Group 1 >Pen 1 Max. Value	Group 1 >Pen 1 max. display value	Input range of input type	-	1350.0	
400214 (00D5)								
400215 (00D6)	03/06/16	R	Group 1 >Pen 1 Decimal Point	Group 1 >Pen 1 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400216 (00D7)	03/06/16	R/W	Group 1 >Pen 2 CH	Group 1 >Pen 2 CH	0: None, 1 to 16	-	Auto setting	
400217 (00D8)	03/06/16	R/W	Group 1 >Pen 2 Color	Group 1 >Pen 2 color	Refer color table.※4	-	Auto setting	
400218 (00D9)	03/06/16	R/W	Group 1 >Pen 2 Line Thickness	Group 1 >Pen 2 line thickness	0: 1, 1: 2, 2: 3	-	1	
400219 (00DA)	03/06/16	R/W	Group 1 >Pen 2 Min. Value	Group 1 >Pen 2 min. display value	Input range of input type	-	-200.0	
400220 (00DB)								
400221 (00DC)	03/06/16	R/W	Group 1 >Pen 2 Max. Value	Group 1 >Pen 2 max. display value	Input range of input type	-	1350.0	
400222 (00DD)								
400223 (00DE)	03/06/16	R	Group 1 >Pen 2 Decimal Point	Group 1 >Pen 2 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400224 (00DF)	03/06/16	R/W	Group 1 >Pen 3	Group 1 >Pen 3 CH	0: None, 1 to 16	-	Auto	

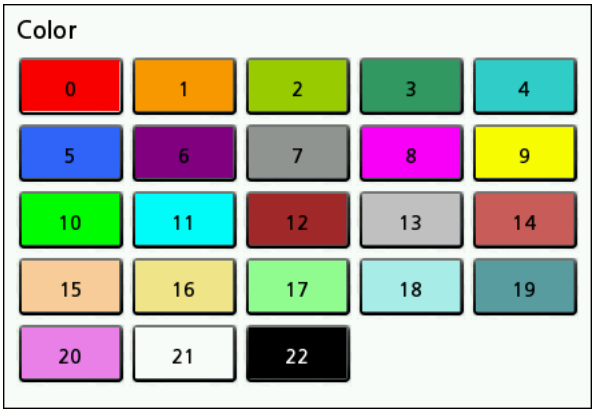
No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			CH				setting	
400225 (00E0)	03/06/16	R/W	Group 1 >Pen 3 Color	Group 1 >Pen 3 color	Refer color table.※4	-	Auto setting	
400226 (00E1)	03/06/16	R/W	Group 1 >Pen 3 Line Thickness	Group 1 >Pen 3 line thickness	0: 1, 1: 2, 2: 3	-	1	
400227 (00E2)	03/06/16	R/W	Group 1 >Pen 3 Min. Value	Group 1 >Pen 3 min. display value	Input range of input type	-	-200.0	
400228 (00E3)								
400229 (00E4)	03/06/16	R/W	Group 1 >Pen 3 Max. Value	Group 1 >Pen 3 max. display value	Input range of input type	-	1350.0	
400230 (00E5)								
400231 (00E6)	03/06/16	R	Group 1 >Pen 3 Decimal Point	Group 1 >Pen 3 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400232 (00E7)	03/06/16	R/W	Group 1 >Pen 4 CH	Group 1 >Pen 4 CH	0: None, 1 to 16	-	Auto setting	
400233 (00E8)	03/06/16	R/W	Group 1 >Pen 4 Color	Group 1 >Pen 4 color	Refer color table.※4	-	Auto setting	
400234 (00E9)	03/06/16	R/W	Group 1 >Pen 4 Line Thickness	Group 1 >Pen 4 line thickness	0: 1, 1: 2, 2: 3	-	1	
400235 (00EA)	03/06/16	R/W	Group 1 >Pen 4 Min. Value	Group 1 >Pen 4 min. display value	Input range of input type	-	-200.0	
400236 (00EB)								
400237 (00EC)	03/06/16	R/W	Group 1 >Pen 4 Max. Value	Group 1 >Pen 4 max. display value	Input range of input type	-	1350.0	
400238 (00ED)								
400239 (00EE)	03/06/16	R	Group 1 >Pen 4 Decimal Point	Group 1 >Pen 4 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400240 (00EF)	03/06/16	R/W	Group 1 >Pen 5 CH	Group 1 >Pen 5 CH	0: None, 1 to 16	-	Auto setting	
400241 (00F0)	03/06/16	R/W	Group 1 >Pen 5 Color	Group 1 >Pen 5 color	Refer color table.※4	-	Auto setting	
400242 (00F1)	03/06/16	R/W	Group 1 >Pen 5 Line Thickness	Group 1 >Pen 5 line thickness	0: 1, 1: 2, 2: 3	-	1	
400243 (00F2)	03/06/16	R/W	Group 1 >Pen 5 Min. Value	Group 1 >Pen 5 min. display value	Input range of input type	-	-200.0	
400244 (00F3)								
400245 (00F4)	03/06/16	R/W	Group 1 >Pen 5 Max. Value	Group 1 >Pen 5 max. display value	Input range of input type	-	1350.0	
400246 (00F5)								
400247 (00F6)	03/06/16	R	Group 1 >Pen 5 Decimal Point	Group 1 >Pen 5 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400248 (00F7)	03/06/16	R/W	Group 1 >Pen 6 CH	Group 1 >Pen 6 CH	0: None, 1 to 16	-	Auto setting	
400249 (00F8)	03/06/16	R/W	Group 1 >Pen 6 Color	Group 1 >Pen 6 color	Refer color table.※4	-	Auto setting	
400250 (00F9)	03/06/16	R/W	Group 1 >Pen 6 Line Thickness	Group 1 >Pen 6 line thickness	0: 1, 1: 2, 2: 3	-	1	
400251 (00FA)	03/06/16	R/W	Group 1 >Pen 6 Min. Value	Group 1 >Pen 6 min. display value	Input range of input type	-	-200.0	
400252 (00FB)								
400253 (00FC)	03/06/16	R/W	Group 1 >Pen 6 Max. Value	Group 1 >Pen 6 max. display value	Input range of input type	-	1350.0	
400254 (00FD)								
400255 (00FE)	03/06/16	R	Group 1 >Pen 6 Decimal Point	Group 1 >Pen 6 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400256 (00FF)	03/06/16	R/W	Group 1 >Pen 7 CH	Group 1 >Pen 7 CH	0: None, 1 to 16	-	Auto setting	
400257 (0100)	03/06/16	R/W	Group 1 >Pen 7 Color	Group 1 >Pen 7 color	Refer color table.※4	-	Auto setting	
400258 (0101)	03/06/16	R/W	Group 1 >Pen 7 Line Thickness	Group 1 >Pen 7 line thickness	0: 1, 1: 2, 2: 3	-	1	
400259 (0102)	03/06/16	R/W	Group 1 >Pen 7 Min. Value	Group 1 >Pen 7 min. display value	Input range of input type	-	-200.0	
400260 (0103)								
400261 (0104)	03/06/16	R/W	Group 1 >Pen 7 Max. Value	Group 1 >Pen 7 max. display value	Input range of input type	-	1350.0	
400262 (0105)								
400263 (0106)	03/06/16	R	Group 1 >Pen 7 Decimal Point	Group 1 >Pen 7 decimal point	Auto setting	-	-	※5
400264 (0107)	03/06/16	R/W	Group 1 >Pen 8 CH	Group 1 >Pen 8 CH	0: None, 1 to 16	-	Auto setting	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
400265 (0108)	03/06/16	R/W	Group 1 >Pen 8 Color	Group 1 >Pen 8 color	Refer color table.※4	-	Auto setting	
400266 (0109)	03/06/16	R/W	Group 1 >Pen 8 Line Thickness	Group 1 >Pen 8 line thickness	0: 1, 1: 2, 2: 3	-	1	
400267 (010A)	03/06/16	R/W	Group 1 >Pen 8 Min. Value	Group 1 >Pen 8 min. display value	Input range of input type	-	-200.0	
400268 (010B)								
400269 (010C)	03/06/16	R/W	Group 1 >Pen 8 Max. Value	Group 1 >Pen 8 max. display value	Input range of input type	-	1350.0	
400270 (010D)								
400271 (010E)	03/06/16	R	Group 1 >Pen 8 Decimal Point	Group 1 >Pen 8 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400272 (010F)	03/06/16	R/W	Group 1 >Pen 9 CH	Group 1 >Pen 9 CH	0: None, 1 to 16	-	Auto setting	
400273 (0110)	03/06/16	R/W	Group 1 >Pen 9 Color	Group 1 >Pen 9 color	Refer color table.※4	-	Auto setting	
400274 (0111)	03/06/16	R/W	Group 1 >Pen 9 Line Thickness	Group 1 >Pen 9 line thickness	0: 1, 1: 2, 2: 3	-	1	
400275 (0112)	03/06/16	R/W	Group 1 >Pen 9 Min. Value	Group 1 >Pen 9 min. display value	Input range of input type	-	-200.0	
400276 (0113)								
400277 (0114)	03/06/16	R/W	Group 1 >Pen 9 Max. Value	Group 1 >Pen 9 max. display value	Input range of input type	-	1350.0	
400278 (0115)								
400279 (0116)	03/06/16	R	Group 1 >Pen 9 Decimal Point	Group 1 >Pen 9 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400280 (0117)	03/06/16	R/W	Group 1 >Pen 10 CH	Group 1 >Pen 10 CH	0: None, 1 to 16	-	Auto setting	
400281 (0118)	03/06/16	R/W	Group 1 >Pen 10 Color	Group 1 >Pen 10 color	Refer color table.※4	-	Auto setting	
400282 (0119)	03/06/16	R/W	Group 1 >Pen 10 Line Thickness	Group 1 >Pen 10 line thickness	0: 1, 1: 2, 2: 3	-	1	
400283 (011A)	03/06/16	R/W	Group 1 >Pen 10 Min. Value	Group 1 >Pen 10 min. display value	Input range of input type	-	-200.0	
400284 (011B)								
400285 (011C)	03/06/16	R/W	Group 1 >Pen 10 Max. Value	Group 1 >Pen 10 max. display value	Input range of input type	-	1350.0	
400286 (011D)								
400287 (011E)	03/06/16	R	Group 1 >Pen 10 Decimal Point	Group 1 >Pen 10 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400288 (011F)	03/06/16	R/W	Group 1 >Pen 11 CH	Group 1 >Pen 11 CH	0: None, 1 to 16	-	Auto setting	
400289 (0120)	03/06/16	R/W	Group 1 >Pen 11 Color	Group 1 >Pen 11 color	Refer color table.※4	-	Auto setting	
400290 (0121)	03/06/16	R/W	Group 1 >Pen 11 Line Thickness	Group 1 >Pen 11 line thickness	0: 1, 1: 2, 2: 3	-	1	
400291 (0122)	03/06/16	R/W	Group 1 >Pen 11 Min. Value	Group 1 >Pen 11 min. display value	Input range of input type	-	-200.0	
400292 (0123)								
400293 (0124)	03/06/16	R/W	Group 1 >Pen 11 Max. Value	Group 1 >Pen 11 max. display value	Input range of input type	-	1350.0	
400294 (0125)								
400295 (0126)	03/06/16	R	Group 1 >Pen 11 Decimal Point	Group 1 >Pen 11 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400296 (0127)	03/06/16	R/W	Group 1 >Pen 12 CH	Group 1 >Pen 12 CH	0: None, 1 to 16	-	Auto setting	
400297 (0128)	03/06/16	R/W	Group 1 >Pen 12 Color	Group 1 >Pen 12 color	Refer color table.※4	-	Auto setting	
400298 (0129)	03/06/16	R/W	Group 1 >Pen 12 Line Thickness	Group 1 >Pen 12 line thickness	0: 1, 1: 2, 2: 3	-	1	
400299 (012A)	03/06/16	R/W	Group 1 >Pen 12 Min. Value	Group 1 >Pen 12 min. display value	Input range of input type	-	-200.0	
400300 (012B)								
400301 (012C)	03/06/16	R/W	Group 1 >Pen 12 Max. Value	Group 1 >Pen 12 max. display value	Input range of input type	-	1350.0	
400302 (012D)								
400303 (012E)	03/06/16	R	Group 1 >Pen 12 Decimal Point	Group 1 >Pen 12 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400304 (012F)	03/06/16	R/W	Group 1 >Pen	Group 1 >Pen 13 CH	0: None, 1 to 16	-	Auto	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			13 CH				setting	
400305 (0130)	03/06/16	R/W	Group 1 >Pen 13 Color	Group 1 >Pen 13 color	Refer color table.※4	-	Auto setting	
400306 (0131)	03/06/16	R/W	Group 1 >Pen 13 Line Thickness	Group 1 >Pen 13 line thickness	0: 1, 1: 2, 2: 3	-	1	
400307 (0132)	03/06/16	R/W	Group 1 >Pen 13 Min. Value	Group 1 >Pen 13 min. display value	Input range of input type	-	-200.0	
400308 (0133)								
400309 (0134)	03/06/16	R/W	Group 1 >Pen 13 Max. Value	Group 1 >Pen 13 max. display value	Input range of input type	-	1350.0	
400310 (0135)								
400311 (0136)	03/06/16	R	Group 1 >Pen 13 Decimal Point	Group 1 >Pen 13 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400312 (0137)	03/06/16	R/W	Group 1 >Pen 14 CH	Group 1 >Pen 14 CH	0: None, 1 to 16	-	Auto setting	
400313 (0138)	03/06/16	R/W	Group 1 >Pen 14 Color	Group 1 >Pen 14 color	Refer color table.※4	-	Auto setting	
400314 (0139)	03/06/16	R/W	Group 1 >Pen 14 Line Thickness	Group 1 >Pen 14 line thickness	0: 1, 1: 2, 2: 3	-	1	
400315 (013A)	03/06/16	R/W	Group 1 >Pen 14 Min. Value	Group 1 >Pen 14 min. display value	Input range of input type	-	-200.0	
400316 (013B)								
400317 (013C)	03/06/16	R/W	Group 1 >Pen 14 Max. Value	Group 1 >Pen 14 max. display value	Input range of input type	-	1350.0	
400318 (013D)								
400319 (013E)	03/06/16	R	Group 1 >Pen 14 Decimal Point	Group 1 >Pen 14 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400320 (013F)	03/06/16	R/W	Group 1 >Pen 15 CH	Group 1 >Pen 15 CH	0: None, 1 to 16	-	Auto setting	
400321 (0140)	03/06/16	R/W	Group 1 >Pen 15 Color	Group 1 >Pen 15 color	Refer color table.※4	-	Auto setting	
400322 (0141)	03/06/16	R/W	Group 1 >Pen 15 Line Thickness	Group 1 >Pen 15 line thickness	0: 1, 1: 2, 2: 3	-	1	
400323 (0142)	03/06/16	R/W	Group 1 >Pen 15 Min. Value	Group 1 >Pen 15 min. display value	Input range of input type	-	-200.0	
400324 (0143)								
400325 (0144)	03/06/16	R/W	Group 1 >Pen 15 Max. Value	Group 1 >Pen 15 max. display value	Input range of input type	-	1350.0	
400326 (0145)								
400327 (0146)	03/06/16	R	Group 1 >Pen 15 Decimal Point	Group 1 >Pen 15 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400328 (0147)	03/06/16	R/W	Group 1 >Pen 16 CH	Group 1 >Pen 16 CH	0: None, 1 to 16	-	Auto setting	
400329 (0148)	03/06/16	R/W	Group 1 >Pen 16 Color	Group 1 >Pen 16 color	Refer color table.※4	-	Auto setting	
400330 (0149)	03/06/16	R/W	Group 1 >Pen 16 Line Thickness	Group 1 >Pen 16 line thickness	0: 1, 1: 2, 2: 3	-	1	
400331 (014A)	03/06/16	R/W	Group 1 >Pen 16 Min. Value	Group 1 >Pen 16 min. display value	Input range of input type	-	-200.0	
400332 (014B)								
400333 (014C)	03/06/16	R/W	Group 1 >Pen 16 Max. Value	Group 1 >Pen 16 max. display value	Input range of input type	-	1350.0	
400334 (014D)								
400335 (014E)	03/06/16	R	Group 1 >Pen 16 Decimal Point	Group 1 >Pen 16 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400336 to 400400	03	R	Reserved					

※4. Color table

Setting value	Color	Setting value	Color	Setting value	Color
0	Red	10	Lime	20	Violet
1	Dark orange	11	Aqua	21	White
2	Yellow green	12	Brown	22	Black
3	Sea green	13	Gray		
4	Dark turquoise	14	Indian red		
5	Blue	15	Burlywood		
6	Purple	16	Khaki		
7	Gray	17	Light green		
8	Magenta	18	Paleturquoise		
9	Yellow	19	Cadetblue		



※5. When decimal point setting value is "1", it displays PV/10. When it is "2", it displays PV/100. When it is "3", it displays PV/1000. When it is "4", it displays PV/10000.

3.4.1.2.2. Group 2

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
400401 (0190)	03/06/16	R/W	Group 2>Group name	Group 2 Group name	1 to 7 characters	-	GROUP 2	
400402 (0191)								
400403 (0192)								
400404 (0193)								
400405 (0194)	03/06/16	R/W	Group 2>CH Roation Time	Group 2 CH roation time	0: disable, 1 to 3600	Sec	5	
400406 (0195)	03/06/16	R	Group 2 >No. of CHs	Group 2 number of CHs	0 to 16	Numbers	-	
400407 (0196)	03/06/16	R/W	Group 2 >Background	Group 2 >Background color	Refer color table.※4	-	21	
400408 (0197)	03/06/16	R/W	Group 2 >Pen1 CH	Group 2 >Pen 1 CH	0: None, 1 to 16	-	Auto setting	
400409 (0198)	03/06/16	R/W	Group 2 >Pen1 Color	Group 2 >Pen 1 color	Refer color table.※4	-	Auto setting	
400410 (0199)	03/06/16	R/W	Group 2 >Pen1 Line Thickness	Group 2 >Pen 1 line thickness	0: 1, 1: 2, 2: 3	-	1	
400411 (019A)	03/06/16	R/W	Group 2 >Pen1 Min. Value	Group 2 >Pen 1 min. display value	Input range of input type	-	-200.0	
400412 (019B)								
400413 (019C)	03/06/16	R/W	Group 2 >Pen1 Max. Value	Group 2 >Pen 1 max. display value	Input range of input type	-	1350.0	
400414 (019D)								
400415 (019E)	03/06/16	R	Group 2 >Pen1 Decimal Point	Group 2 >Pen 1 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400416 (019F)	03/06/16	R/W	Group 2 >Pen 2 CH	Group 2 >Pen 2 CH	0: None, 1 to 16	-	Auto setting	
400417 (01A0)	03/06/16	R/W	Group 2 >Pen 2 Color	Group 2 >Pen 2 color	Refer color table.※4	-	Auto setting	
400418 (01A1)	03/06/16	R/W	Group 2 >Pen 2 Line Thickness	Group 2 >Pen 2 line thickness	0: 1, 1: 2, 2: 3	-	1	
400419 (01A2)	03/06/16	R/W	Group 2 >Pen 2 Min. Value	Group 2 >Pen 2 min. display value	Input range of input type	-	-200.0	
400420 (01A3)								
400421 (01A4)	03/06/16	R/W	Group 2 >Pen 2 Max. Value	Group 2 >Pen 2 max. display value	Input range of input type	-	1350.0	
400422 (01A5)								
400423 (01A6)	03/06/16	R	Group 2 >Pen 2 Decimal Point	Group 2 >Pen 2 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400424 (01A7)	03/06/16	R/W	Group 2 >Pen 3 CH	Group 2 >Pen 3 CH	0: None, 1 to 16	-	Auto setting	
400425 (01A8)	03/06/16	R/W	Group 2 >Pen 3 Color	Group 2 >Pen 3 color	Refer color table.※4	-	Auto setting	
400426 (01A9)	03/06/16	R/W	Group 2 >Pen 3 Line Thickness	Group 2 >Pen 3 line thickness	0: 1, 1: 2, 2: 3	-	1	
400427 (01AA)	03/06/16	R/W	Group 2 >Pen 3 Min. Value	Group 2 >Pen 3 min. display value	Input range of input type	-	-200.0	
400428 (01AB)								
400429 (01AC)	03/06/16	R/W	Group 2 >Pen 3 Max. Value	Group 2 >Pen 3 max. display value	Input range of input type	-	1350.0	
400430 (01AD)								
400431 (01AE)	03/06/16	R	Group 2 >Pen 3 Decimal Point	Group 2 >Pen 3 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400432 (01AF)	03/06/16	R/W	Group 2 >Pen 4 CH	Group 2 >Pen 4 CH	0: None, 1 to 16	-	Auto setting	
400433 (01B0)	03/06/16	R/W	Group 2 >Pen 4 Color	Group 2 >Pen 4 color	Refer color table.※4	-	Auto setting	
400434 (01B1)	03/06/16	R/W	Group 2 >Pen 4 Line Thickness	Group 2 >Pen 4 line thickness	0: 1, 1: 2, 2: 3	-	1	
400435 (01B2)	03/06/16	R/W	Group 2 >Pen 4 Min. Value	Group 2 >Pen 4 min. display value	Input range of input type	-	-200.0	
400436 (01B3)								
400437 (01B4)	03/06/16	R/W	Group 2 >Pen 4 Max. Value	Group 2 >Pen 4 max. display value	Input range of input type	-	1350.0	
400438 (01B5)								
400439 (01B6)	03/06/16	R	Group 2 >Pen 4 Decimal Point	Group 2 >Pen 4 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400440 (01B7)	03/06/16	R/W	Group 2 >Pen 5	Group 2 >Pen 5 CH	0: None, 1 to 16	-	Auto	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			CH				setting	
400441 (01B8)	03/06/16	R/W	Group 2 >Pen 5 Color	Group 2 >Pen 5 color	Refer color table.※4	-	Auto setting	
400442 (01B9)	03/06/16	R/W	Group 2 >Pen 5 Line Thickness	Group 2 >Pen 5 line thickness	0: 1, 1: 2, 2: 3	-	1	
400443 (01BA)	03/06/16	R/W	Group 2 >Pen 5 Min. Value	Group 2 >Pen 5 min. display value	Input range of input type	-	-200.0	
400444 (01BB)								
400445 (01BC)	03/06/16	R/W	Group 2 >Pen 5 Max. Value	Group 2 >Pen 5 max. display value	Input range of input type	-	1350.0	
400446 (01BD)								
400447 (01BE)	03/06/16	R	Group 2 >Pen 5 Decimal Point	Group 2 >Pen 5 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400448 (01BF)	03/06/16	R/W	Group 2 >Pen 6 CH	Group 2 >Pen 6 CH	0: None, 1 to 16	-	Auto setting	
400449 (01C0)	03/06/16	R/W	Group 2 >Pen 6 Color	Group 2 >Pen 6 color	Refer color table.※4	-	Auto setting	
400450 (01C1)	03/06/16	R/W	Group 2 >Pen 6 Line Thickness	Group 2 >Pen 6 line thickness	0: 1, 1: 2, 2: 3	-	1	
400451 (01C2)	03/06/16	R/W	Group 2 >Pen 6 Min. Value	Group 2 >Pen 6 min. display value	Input range of input type	-	-200.0	
400452 (01C3)								
400453 (01C4)	03/06/16	R/W	Group 2 >Pen 6 Max. Value	Group 2 >Pen 6 max. display value	Input range of input type	-	1350.0	
400454 (01C5)								
400455 (01C6)	03/06/16	R	Group 2 >Pen 6 Decimal Point	Group 2 >Pen 6 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400456 (01C7)	03/06/16	R/W	Group 2 >Pen 7 CH	Group 2 >Pen 7 CH	0: None, 1 to 16	-	Auto setting	
400457 (01C8)	03/06/16	R/W	Group 2 >Pen 7 Color	Group 2 >Pen 7 color	Refer color table.※4	-	Auto setting	
400458 (01C9)	03/06/16	R/W	Group 2 >Pen 7 Line Thickness	Group 2 >Pen 7 line thickness	0: 1, 1: 2, 2: 3	-	1	
400459 (01CA)	03/06/16	R/W	Group 2 >Pen 7 Min. Value	Group 2 >Pen 7 min. display value	Input range of input type	-	-200.0	
400460 (01CB)								
400461 (01CC)	03/06/16	R/W	Group 2 >Pen 7 Max. Value	Group 2 >Pen 7 max. display value	Input range of input type	-	1350.0	
400462 (01CD)								
400463 (01CE)	03/06/16	R	Group 2 >Pen 7 Decimal Point	Group 2 >Pen 7 decimal point	Auto setting	-	-	※5
400464 (01CF)	03/06/16	R/W	Group 2 >Pen 8 CH	Group 2 >Pen 8 CH	0: None, 1 to 16	-	Auto setting	
400465 (01D0)	03/06/16	R/W	Group 2 >Pen 8 Color	Group 2 >Pen 8 color	Refer color table.※4	-	Auto setting	
400466 (01D1)	03/06/16	R/W	Group 2 >Pen 8 Line Thickness	Group 2 >Pen 8 line thickness	0: 1, 1: 2, 2: 3	-	1	
400467 (01D2)	03/06/16	R/W	Group 2 >Pen 8 Min. Value	Group 2 >Pen 8 min. display value	Input range of input type	-	-200.0	
400468 (01D3)								
400469 (01D4)	03/06/16	R/W	Group 2 >Pen 8 Max. Value	Group 2 >Pen 8 max. display value	Input range of input type	-	1350.0	
400470 (01D5)								
400471 (01D6)	03/06/16	R	Group 2 >Pen 8 Decimal Point	Group 2 >Pen 8 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400472 (01D7)	03/06/16	R/W	Group 2 >Pen 9 CH	Group 2 >Pen 9 CH	0: None, 1 to 16	-	Auto setting	
400473 (01D8)	03/06/16	R/W	Group 2 >Pen 9 Color	Group 2 >Pen 9 color	Refer color table.※4	-	Auto setting	
400474 (01D9)	03/06/16	R/W	Group 2 >Pen 9 Line Thickness	Group 2 >Pen 9 line thickness	0: 1, 1: 2, 2: 3	-	1	
400475 (01DA)	03/06/16	R/W	Group 2 >Pen 9 Min. Value	Group 2 >Pen 9 min. display value	Input range of input type	-	-200.0	
400476 (01DB)								
400477 (01DC)	03/06/16	R/W	Group 2 >Pen 9 Max. Value	Group 2 >Pen 9 max. display value	Input range of input type	-	1350.0	
400478 (01DD)								
400479 (01DE)	03/06/16	R	Group 2 >Pen 9 Decimal Point	Group 2 >Pen 9 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400480 (01DF)	03/06/16	R/W	Group 2 >Pen 10 CH	Group 2 >Pen 10 CH	0: None, 1 to 16	-	Auto setting	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
400481 (01E0)	03/06/16	R/W	Group 2 >Pen 10 Color	Group 2 >Pen 10 color	Refer color table.※4	-	Auto setting	
400482 (01E1)	03/06/16	R/W	Group 2 >Pen 10 Line Thickness	Group 2 >Pen 10 line thickness	0: 1, 1: 2, 2: 3	-	1	
400483 (01E2)	03/06/16	R/W	Group 2 >Pen 10 Min. Value	Group 2 >Pen 10 min. display value	Input range of input type	-	-200.0	
400484 (01E3)								
400485 (01E4)	03/06/16	R/W	Group 2 >Pen 10 Max. Value	Group 2 >Pen 10 max. display value	Input range of input type	-	1350.0	
400486 (01E5)								
400487 (01E6)	03/06/16	R	Group 2 >Pen 10 Decimal Point	Group 2 >Pen 10 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400488 (01E7)	03/06/16	R/W	Group 2 >Pen 11 CH	Group 2 >Pen 11 CH	0: None, 1 to 16	-	Auto setting	
400489 (01E8)	03/06/16	R/W	Group 2 >Pen 11 Color	Group 2 >Pen 11 color	Refer color table.※4	-	Auto setting	
400490 (01E9)	03/06/16	R/W	Group 2 >Pen 11 Line Thickness	Group 2 >Pen 11 line thickness	0: 1, 1: 2, 2: 3	-	1	
400491 (01EA)	03/06/16	R/W	Group 2 >Pen 11 Min. Value	Group 2 >Pen 11 min. display value	Input range of input type	-	-200.0	
400492 (01EB)								
400493 (01EC)	03/06/16	R/W	Group 2 >Pen 11 Max. Value	Group 2 >Pen 11 max. display value	Input range of input type	-	1350.0	
400494 (01ED)								
400495 (01EE)	03/06/16	R	Group 2 >Pen 11 Decimal Point	Group 2 >Pen 11 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400496 (01EF)	03/06/16	R/W	Group 2 >Pen 12 CH	Group 2 >Pen 12 CH	0: None, 1 to 16	-	Auto setting	
400497 (01F0)	03/06/16	R/W	Group 2 >Pen 12 Color	Group 2 >Pen 12 color	Refer color table.※4	-	Auto setting	
400498 (01F1)	03/06/16	R/W	Group 2 >Pen 12 Line Thickness	Group 2 >Pen 12 line thickness	0: 1, 1: 2, 2: 3	-	1	
400499 (01F2)	03/06/16	R/W	Group 2 >Pen 12 Min. Value	Group 2 >Pen 12 min. display value	Input range of input type	-	-200.0	
400500 (01F3)								
400501 (01F4)	03/06/16	R/W	Group 2 >Pen 12 Max. Value	Group 2 >Pen 12 max. display value	Input range of input type	-	1350.0	
400502 (01F5)								
400503 (01F6)	03/06/16	R	Group 2 >Pen 12 Decimal Point	Group 2 >Pen 12 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400504 (01F7)	03/06/16	R/W	Group 2 >Pen 13 CH	Group 2 >Pen 13 CH	0: None, 1 to 16	-	Auto setting	
400505 (01F8)	03/06/16	R/W	Group 2 >Pen 13 Color	Group 2 >Pen 13 color	Refer color table.※4	-	Auto setting	
400506 (01F9)	03/06/16	R/W	Group 2 >Pen 13 Line Thickness	Group 2 >Pen 13 line thickness	0: 1, 1: 2, 2: 3	-	1	
400507 (01FA)	03/06/16	R/W	Group 2 >Pen 13 Min. Value	Group 2 >Pen 13 min. display value	Input range of input type	-	-200.0	
400508 (01FB)								
400509 (01FC)	03/06/16	R/W	Group 2 >Pen 13 Max. Value	Group 2 >Pen 13 max. display value	Input range of input type	-	1350.0	
400510 (01FD)								
400511 (01FE)	03/06/16	R	Group 2 >Pen 13 Decimal Point	Group 2 >Pen 13 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400512 (01FF)	03/06/16	R/W	Group 2 >Pen 14 CH	Group 2 >Pen 14 CH	0: None, 1 to 16	-	Auto setting	
400513 (0200)	03/06/16	R/W	Group 2 >Pen 14 Color	Group 2 >Pen 14 color	Refer color table.※4	-	Auto setting	
400514 (0201)	03/06/16	R/W	Group 2 >Pen 14 Line Thickness	Group 2 >Pen 14 line thickness	0: 1, 1: 2, 2: 3	-	1	
400515 (0202)	03/06/16	R/W	Group 2 >Pen 14 Min. Value	Group 2 >Pen 14 min. display value	Input range of input type	-	-200.0	
400516 (0203)								
400517 (0204)	03/06/16	R/W	Group 2 >Pen 14 Max. Value	Group 2 >Pen 14 max. display value	Input range of input type	-	1350.0	
400518 (0205)								
400519 (0206)	03/06/16	R	Group 2 >Pen	Group 2 >Pen 14	0: 0, 1: 0.0, 2: 0.00,	-	-	※5

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			14 Decimal Point	decimal point	3: 0.000, 4: 0.0000			
400520 (0207)	03/06/16	R/W	Group 2 >Pen 15 CH	Group 2 >Pen 15 CH	0: None, 1 to 16	-	Auto setting	
400521 (0208)	03/06/16	R/W	Group 2 >Pen 15 Color	Group 2 >Pen 15 color	Refer color table.※4	-	Auto setting	
400522 (0209)	03/06/16	R/W	Group 2 >Pen 15 Line Thickness	Group 2 >Pen 15 line thickness	0: 1, 1: 2, 2: 3	-	1	
400523 (020A)	03/06/16	R/W	Group 2 >Pen 15 Min. Value	Group 2 >Pen 15 min. display value	Input range of input type	-	-200.0	
400524 (020B)								
400525 (020C)	03/06/16	R/W	Group 2 >Pen 15 Max. Value	Group 2 >Pen 15 max. display value	Input range of input type	-	1350.0	
400526 (020D)								
400527 (020E)	03/06/16	R	Group 2 >Pen 15 Decimal Point	Group 2 >Pen 15 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400528 (020F)	03/06/16	R/W	Group 2 >Pen 16 CH	Group 2 >Pen 16 CH	0: None, 1 to 16	-	Auto setting	
400529 (0210)	03/06/16	R/W	Group 2 >Pen 16 Color	Group 2 >Pen 16 color	Refer color table.※4	-	Auto setting	
400530 (0211)	03/06/16	R/W	Group 2 >Pen 16 Line Thickness	Group 2 >Pen 16 line thickness	0: 1, 1: 2, 2: 3	-	1	
400531 (0212)	03/06/16	R/W	Group 2 >Pen 16 Min. Value	Group 2 >Pen 16 min. display value	Input range of input type	-	-200.0	
400532 (0213)								
400533 (0214)	03/06/16	R/W	Group 2 >Pen 16 Max. Value	Group 2 >Pen 16 max. display value	Input range of input type	-	1350.0	
400534 (0215)								
400535 (0216)	03/06/16	R	Group 2 >Pen 16 Decimal Point	Group 2 >Pen 16 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400536 to 400600	03	R	Reserved					

3.4.1.2.3. Group 3

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
400601 (0258)	03/06/16	R/W	Group 3>Group name	Group 3 Group name	1 to 7 characters	-	GROUP 3	
400602 (0259)								
400603 (025A)								
400604 (025B)								
400605 (025C)	03/06/16	R/W	Group 3>CH Roation Time	Group 3 CH roation time	0: disable, 1 to 3600	Sec	5	
400606 (025D)	03/06/16	R	Group 3 >No. of CHs	Group 3 number of CHs	0 to 16	Numbers	-	
400607 (025E)	03/06/16	R/W	Group 3 >Background	Group 3 >Background color	Refer color table.※4	-	21	
400608 (025F)	03/06/16	R/W	Group 3 >Pen1 CH	Group 3 >Pen 1 CH	0: None, 1 to 16	-	Auto setting	
400609 (0260)	03/06/16	R/W	Group 3 >Pen1 Color	Group 3 >Pen 1 color	Refer color table.※4	-	Auto setting	
400610 (0261)	03/06/16	R/W	Group 3 >Pen1 Line Thickness	Group 3 >Pen 1 line thickness	0: 1, 1: 2, 2: 3	-	1	
400611 (0262)	03/06/16	R/W	Group 3 >Pen1 Min. Value	Group 3 >Pen 1 min. display value	Input range of input type	-	-200.0	
400612 (0263)								
400613 (0264)	03/06/16	R/W	Group 3 >Pen1 Max. Value	Group 3 >Pen 1 max. display value	Input range of input type	-	1350.0	
400614 (0265)								
400615 (0266)	03/06/16	R	Group 3 >Pen1 Decimal Point	Group 3 >Pen 1 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400616 (0267)	03/06/16	R/W	Group 3 >Pen 2 CH	Group 3 >Pen 2 CH	0: None, 1 to 16	-	Auto setting	
400617 (0268)	03/06/16	R/W	Group 3 >Pen 2 Color	Group 3 >Pen 2 color	Refer color table.※4	-	Auto setting	
400618 (0269)	03/06/16	R/W	Group 3 >Pen 2 Line Thickness	Group 3 >Pen 2 line thickness	0: 1, 1: 2, 2: 3	-	1	
400619 (026A)	03/06/16	R/W	Group 3 >Pen 2 Min. Value	Group 3 >Pen 2 min. display value	Input range of input type	-	-200.0	
400620 (026B)								
400621 (026C)	03/06/16	R/W	Group 3 >Pen 2 Max. Value	Group 3 >Pen 2 max. display value	Input range of input type	-	1350.0	
400622 (026D)								
400623 (026E)	03/06/16	R	Group 3 >Pen 2 Decimal Point	Group 3 >Pen 2 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400624 (026F)	03/06/16	R/W	Group 3 >Pen 3 CH	Group 3 >Pen 3 CH	0: None, 1 to 16	-	Auto setting	
400625 (0270)	03/06/16	R/W	Group 3 >Pen 3 Color	Group 3 >Pen 3 color	Refer color table.※4	-	Auto setting	
400626 (0271)	03/06/16	R/W	Group 3 >Pen 3 Line Thickness	Group 3 >Pen 3 line thickness	0: 1, 1: 2, 2: 3	-	1	
400627 (0272)	03/06/16	R/W	Group 3 >Pen 3 Min. Value	Group 3 >Pen 3 min. display value	Input range of input type	-	-200.0	
400628 (0273)								
400629 (0274)	03/06/16	R/W	Group 3 >Pen 3 Max. Value	Group 3 >Pen 3 max. display value	Input range of input type	-	1350.0	
400630 (0275)								
400631 (0276)	03/06/16	R	Group 3 >Pen 3 Decimal Point	Group 3 >Pen 3 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400632 (0277)	03/06/16	R/W	Group 3 >Pen 4 CH	Group 3 >Pen 4 CH	0: None, 1 to 16	-	Auto setting	
400633 (0278)	03/06/16	R/W	Group 3 >Pen 4 Color	Group 3 >Pen 4 color	Refer color table.※4	-	Auto setting	
400634 (0279)	03/06/16	R/W	Group 3 >Pen 4 Line Thickness	Group 3 >Pen 4 line thickness	0: 1, 1: 2, 2: 3	-	1	
400635 (027A)	03/06/16	R/W	Group 3 >Pen 4 Min. Value	Group 3 >Pen 4 min. display value	Input range of input type	-	-200.0	
400636 (027B)								
400637 (027C)	03/06/16	R/W	Group 3 >Pen 4 Max. Value	Group 3 >Pen 4 max. display value	Input range of input type	-	1350.0	
400638 (027D)								
400639 (027E)	03/06/16	R	Group 3 >Pen 4 Decimal Point	Group 3 >Pen 4 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400640 (027F)	03/06/16	R/W	Group 3 >Pen 5	Group 3 >Pen 5 CH	0: None, 1 to 16	-	Auto	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			CH				setting	
400641 (0280)	03/06/16	R/W	Group 3 >Pen 5 Color	Group 3 >Pen 5 color	Refer color table.※4	-	Auto setting	
400642 (0281)	03/06/16	R/W	Group 3 >Pen 5 Line Thickness	Group 3 >Pen 5 line thickness	0: 1, 1: 2, 2: 3	-	1	
400643 (0282)	03/06/16	R/W	Group 3 >Pen 5 Min. Value	Group 3 >Pen 5 min. display value	Input range of input type	-	-200.0	
400644 (0283)								
400645 (0284)	03/06/16	R/W	Group 3 >Pen 5 Max. Value	Group 3 >Pen 5 max. display value	Input range of input type	-	1350.0	
400646 (0285)								
400647 (0286)	03/06/16	R	Group 3 >Pen 5 Decimal Point	Group 3 >Pen 5 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400648 (0287)	03/06/16	R/W	Group 3 >Pen 6 CH	Group 3 >Pen 6 CH	0: None, 1 to 16	-	Auto setting	
400649 (0288)	03/06/16	R/W	Group 3 >Pen 6 Color	Group 3 >Pen 6 color	Refer color table.※4	-	Auto setting	
400650 (0289)	03/06/16	R/W	Group 3 >Pen 6 Line Thickness	Group 3 >Pen 6 line thickness	0: 1, 1: 2, 2: 3	-	1	
400651 (028A)	03/06/16	R/W	Group 3 >Pen 6 Min. Value	Group 3 >Pen 6 min. display value	Input range of input type	-	-200.0	
400652 (028B)								
400653 (028C)	03/06/16	R/W	Group 3 >Pen 6 Max. Value	Group 3 >Pen 6 max. display value	Input range of input type	-	1350.0	
400654 (028D)								
400655 (028E)	03/06/16	R	Group 3 >Pen 6 Decimal Point	Group 3 >Pen 6 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400656 (028F)	03/06/16	R/W	Group 3 >Pen 7 CH	Group 3 >Pen 7 CH	0: None, 1 to 16	-	Auto setting	
400657 (0290)	03/06/16	R/W	Group 3 >Pen 7 Color	Group 3 >Pen 7 color	Refer color table.※4	-	Auto setting	
400658 (0291)	03/06/16	R/W	Group 3 >Pen 7 Line Thickness	Group 3 >Pen 7 line thickness	0: 1, 1: 2, 2: 3	-	1	
400659 (0292)	03/06/16	R/W	Group 3 >Pen 7 Min. Value	Group 3 >Pen 7 min. display value	Input range of input type	-	-200.0	
400660 (0293)								
400661 (0294)	03/06/16	R/W	Group 3 >Pen 7 Max. Value	Group 3 >Pen 7 max. display value	Input range of input type	-	1350.0	
400662 (0295)								
400663 (0296)	03/06/16	R	Group 3 >Pen 7 Decimal Point	Group 3 >Pen 7 decimal point	Auto setting	-	-	※5
400664 (0297)	03/06/16	R/W	Group 3 >Pen 8 CH	Group 3 >Pen 8 CH	0: None, 1 to 16	-	Auto setting	
400665 (0298)	03/06/16	R/W	Group 3 >Pen 8 Color	Group 3 >Pen 8 color	Refer color table.※4	-	Auto setting	
400666 (0299)	03/06/16	R/W	Group 3 >Pen 8 Line Thickness	Group 3 >Pen 8 line thickness	0: 1, 1: 2, 2: 3	-	1	
400667 (029A)	03/06/16	R/W	Group 3 >Pen 8 Min. Value	Group 3 >Pen 8 min. display value	Input range of input type	-	-200.0	
400668 (029B)								
400669 (029C)	03/06/16	R/W	Group 3 >Pen 8 Max. Value	Group 3 >Pen 8 max. display value	Input range of input type	-	1350.0	
400670 (029D)								
400671 (029E)	03/06/16	R	Group 3 >Pen 8 Decimal Point	Group 3 >Pen 8 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400672 (029F)	03/06/16	R/W	Group 3 >Pen 9 CH	Group 3 >Pen 9 CH	0: None, 1 to 16	-	Auto setting	
400673 (02A0)	03/06/16	R/W	Group 3 >Pen 9 Color	Group 3 >Pen 9 color	Refer color table.※4	-	Auto setting	
400674 (02A1)	03/06/16	R/W	Group 3 >Pen 9 Line Thickness	Group 3 >Pen 9 line thickness	0: 1, 1: 2, 2: 3	-	1	
400675 (02A2)	03/06/16	R/W	Group 3 >Pen 9 Min. Value	Group 3 >Pen 9 min. display value	Input range of input type	-	-200.0	
400676 (02A3)								
400677 (02A4)	03/06/16	R/W	Group 3 >Pen 9 Max. Value	Group 3 >Pen 9 max. display value	Input range of input type	-	1350.0	
400678 (02A5)								
400679 (02A6)	03/06/16	R	Group 3 >Pen 9 Decimal Point	Group 3 >Pen 9 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400680 (02A7)	03/06/16	R/W	Group 3 >Pen 10 CH	Group 3 >Pen 10 CH	0: None, 1 to 16	-	Auto setting	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
400681 (02A8)	03/06/16	R/W	Group 3 >Pen 10 Color	Group 3 >Pen 10 color	Refer color table.※4	-	Auto setting	
400682 (02A9)	03/06/16	R/W	Group 3 >Pen 10 Line Thickness	Group 3 >Pen 10 line thickness	0: 1, 1: 2, 2: 3	-	1	
400683 (02AA)	03/06/16	R/W	Group 3 >Pen 10 Min. Value	Group 3 >Pen 10 min. display value	Input range of input type	-	-200.0	
400684 (02AB)								
400685 (02AC)	03/06/16	R/W	Group 3 >Pen 10 Max. Value	Group 3 >Pen 10 max. display value	Input range of input type	-	1350.0	
400686 (02AD)								
400687 (02AE)	03/06/16	R	Group 3 >Pen 10 Decimal Point	Group 3 >Pen 10 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400688 (02AF)	03/06/16	R/W	Group 3 >Pen 11 CH	Group 3 >Pen 11 CH	0: None, 1 to 16	-	Auto setting	
400689 (02B0)	03/06/16	R/W	Group 3 >Pen 11 Color	Group 3 >Pen 11 color	Refer color table.※4	-	Auto setting	
400690 (02B1)	03/06/16	R/W	Group 3 >Pen 11 Line Thickness	Group 3 >Pen 11 line thickness	0: 1, 1: 2, 2: 3	-	1	
400691 (02B2)	03/06/16	R/W	Group 3 >Pen 11 Min. Value	Group 3 >Pen 11 min. display value	Input range of input type	-	-200.0	
400692 (02B3)								
400693 (02B4)	03/06/16	R/W	Group 3 >Pen 11 Max. Value	Group 3 >Pen 11 max. display value	Input range of input type	-	1350.0	
400694 (02B5)								
400695 (02B6)	03/06/16	R	Group 3 >Pen 11 Decimal Point	Group 3 >Pen 11 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400696 (02B7)	03/06/16	R/W	Group 3 >Pen 12 CH	Group 3 >Pen 12 CH	0: None, 1 to 16	-	Auto setting	
400697 (02B8)	03/06/16	R/W	Group 3 >Pen 12 Color	Group 3 >Pen 12 color	Refer color table.※4	-	Auto setting	
400698 (02B9)	03/06/16	R/W	Group 3 >Pen 12 Line Thickness	Group 3 >Pen 12 line thickness	0: 1, 1: 2, 2: 3	-	1	
400699 (02BA)	03/06/16	R/W	Group 3 >Pen 12 Min. Value	Group 3 >Pen 12 min. display value	Input range of input type	-	-200.0	
400700 (02BB)								
400701 (02BC)	03/06/16	R/W	Group 3 >Pen 12 Max. Value	Group 3 >Pen 12 max. display value	Input range of input type	-	1350.0	
400702 (02BD)								
400703 (02BE)	03/06/16	R	Group 3 >Pen 12 Decimal Point	Group 3 >Pen 12 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400704 (02BF)	03/06/16	R/W	Group 3 >Pen 13 CH	Group 3 >Pen 13 CH	0: None, 1 to 16	-	Auto setting	
400705 (02C0)	03/06/16	R/W	Group 3 >Pen 13 Color	Group 3 >Pen 13 color	Refer color table.※4	-	Auto setting	
400706 (02C1)	03/06/16	R/W	Group 3 >Pen 13 Line Thickness	Group 3 >Pen 13 line thickness	0: 1, 1: 2, 2: 3	-	1	
400707 (02C2)	03/06/16	R/W	Group 3 >Pen 13 Min. Value	Group 3 >Pen 13 min. display value	Input range of input type	-	-200.0	
400708 (02C3)								
400709 (02C4)	03/06/16	R/W	Group 3 >Pen 13 Max. Value	Group 3 >Pen 13 max. display value	Input range of input type	-	1350.0	
400710 (02C5)								
400711 (02C6)	03/06/16	R	Group 3 >Pen 13 Decimal Point	Group 3 >Pen 13 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400712 (02C7)	03/06/16	R/W	Group 3 >Pen 14 CH	Group 3 >Pen 14 CH	0: None, 1 to 16	-	Auto setting	
400713 (02C8)	03/06/16	R/W	Group 3 >Pen 14 Color	Group 3 >Pen 14 color	Refer color table.※4	-	Auto setting	
400714 (02C9)	03/06/16	R/W	Group 3 >Pen 14 Line Thickness	Group 3 >Pen 14 line thickness	0: 1, 1: 2, 2: 3	-	1	
400715 (02CA)	03/06/16	R/W	Group 3 >Pen 14 Min. Value	Group 3 >Pen 14 min. display value	Input range of input type	-	-200.0	
400716 (02CB)								
400717 (02CC)	03/06/16	R/W	Group 3 >Pen 14 Max. Value	Group 3 >Pen 14 max. display value	Input range of input type	-	1350.0	
400718 (02CD)								
400719 (02CE)	03/06/16	R	Group 3 >Pen	Group 3 >Pen 14	0: 0, 1: 0.0, 2: 0.00,	-	-	※5

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			14 Decimal Point	decimal point	3: 0.000, 4: 0.0000			
400720 (02CF)	03/06/16	R/W	Group 3 >Pen 15 CH	Group 3 >Pen 15 CH	0: None, 1 to 16	-	Auto setting	
400721 (02D0)	03/06/16	R/W	Group 3 >Pen 15 Color	Group 3 >Pen 15 color	Refer color table.※4	-	Auto setting	
400722 (02D1)	03/06/16	R/W	Group 3 >Pen 15 Line Thickness	Group 3 >Pen 15 line thickness	0: 1, 1: 2, 2: 3	-	1	
400723 (02D2)	03/06/16	R/W	Group 3 >Pen 15 Min. Value	Group 3 >Pen 15 min. display value	Input range of input type	-	-200.0	
400724 (02D3)								
400725 (02D4)	03/06/16	R/W	Group 3 >Pen 15 Max. Value	Group 3 >Pen 15 max. display value	Input range of input type	-	1350.0	
400726 (02D5)								
400727 (02D6)	03/06/16	R	Group 3 >Pen 15 Decimal Point	Group 3 >Pen 15 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400728 (02D7)	03/06/16	R/W	Group 3 >Pen 16 CH	Group 3 >Pen 16 CH	0: None, 1 to 16	-	Auto setting	
400729 (02D8)	03/06/16	R/W	Group 3 >Pen 16 Color	Group 3 >Pen 16 color	Refer color table.※4	-	Auto setting	
400730 (02D9)	03/06/16	R/W	Group 3 >Pen 16 Line Thickness	Group 3 >Pen 16 line thickness	0: 1, 1: 2, 2: 3	-	1	
400731 (02DA)	03/06/16	R/W	Group 3 >Pen 16 Min. Value	Group 3 >Pen 16 min. display value	Input range of input type	-	-200.0	
400732 (02DB)								
400733 (02DC)	03/06/16	R/W	Group 3 >Pen 16 Max. Value	Group 3 >Pen 16 max. display value	Input range of input type	-	1350.0	
400734 (02DD)								
400735 (02DE)	03/06/16	R	Group 3 >Pen 16 Decimal Point	Group 3 >Pen 16 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400736 to 400800	03	R	Reserved					

3.4.1.2.4. Group 4

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
400801 (0320)	03/06/16	R/W	Group 4>Group name	Group 4 Group name	1 to 7 characters	-	GROUP 4	
400802 (0321)								
400803 (0322)								
400804 (0323)								
400805 (0324)	03/06/16	R/W	Group 4>CH Roation Time	Group 4 CH roation time	0: disable, 1 to 3600	Sec	5	
400806 (0325)	03/06/16	R	Group 4 >No. of CHs	Group 4 number of CHs	0 to 16	Numbers	-	
400807 (0326)	03/06/16	R/W	Group 4 >Background	Group 4 >Background color	Refer color table.※4	-	21	
400808 (0327)	03/06/16	R/W	Group 4 >Pen1 CH	Group 4 >Pen 1 CH	0: None, 1 to 16	-	Auto setting	
400809 (0328)	03/06/16	R/W	Group 4 >Pen1 Color	Group 4 >Pen 1 color	Refer color table.※4	-	Auto setting	
400810 (0329)	03/06/16	R/W	Group 4 >Pen1 Line Thickness	Group 4 >Pen 1 line thickness	0: 1, 1: 2, 2: 3	-	1	
400811 (032A)	03/06/16	R/W	Group 4 >Pen1 Min. Value	Group 4 >Pen 1 min. display value	Input range of input type	-	-200.0	
400812 (032B)								
400813 (032C)	03/06/16	R/W	Group 4 >Pen1 Max. Value	Group 4 >Pen 1 max. display value	Input range of input type	-	1350.0	
400814 (032D)								
400815 (032E)	03/06/16	R	Group 4 >Pen1 Decimal Point	Group 4 >Pen 1 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400816 (032F)	03/06/16	R/W	Group 4 >Pen 2 CH	Group 4 >Pen 2 CH	0: None, 1 to 16	-	Auto setting	
400817 (0330)	03/06/16	R/W	Group 4 >Pen 2 Color	Group 4 >Pen 2 color	Refer color table.※4	-	Auto setting	
400818 (0331)	03/06/16	R/W	Group 4 >Pen 2 Line Thickness	Group 4 >Pen 2 line thickness	0: 1, 1: 2, 2: 3	-	1	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
400819 (0332) 400820 (0333)	03/06/16	R/W	Group 4 >Pen 2 Min. Value	Group 4 >Pen 2 min. display value	Input range of input type	-	-200.0	
400821 (0334) 400822 (0335)	03/06/16	R/W	Group 4 >Pen 2 Max. Value	Group 4 >Pen 2 max. display value	Input range of input type	-	1350.0	
400823 (0336)	03/06/16	R	Group 4 >Pen 2 Decimal Point	Group 4 >Pen 2 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400824 (0337)	03/06/16	R/W	Group 4 >Pen 3 CH	Group 4 >Pen 3 CH	0: None, 1 to 16	-	Auto setting	
400825 (0338)	03/06/16	R/W	Group 4 >Pen 3 Color	Group 4 >Pen 3 color	Refer color table.※4	-	Auto setting	
400826 (0339)	03/06/16	R/W	Group 4 >Pen 3 Line Thickness	Group 4 >Pen 3 line thickness	0: 1, 1: 2, 2: 3	-	1	
400827 (033A) 400828 (033B)	03/06/16	R/W	Group 4 >Pen 3 Min. Value	Group 4 >Pen 3 min. display value	Input range of input type	-	-200.0	
400829 (033C) 400830 (033D)	03/06/16	R/W	Group 4 >Pen 3 Max. Value	Group 4 >Pen 3 max. display value	Input range of input type	-	1350.0	
400831 (033E)	03/06/16	R	Group 4 >Pen 3 Decimal Point	Group 4 >Pen 3 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400832 (033F)	03/06/16	R/W	Group 4 >Pen 4 CH	Group 4 >Pen 4 CH	0: None, 1 to 16	-	Auto setting	
400833 (0340)	03/06/16	R/W	Group 4 >Pen 4 Color	Group 4 >Pen 4 color	Refer color table.※4	-	Auto setting	
400834 (0341)	03/06/16	R/W	Group 4 >Pen 4 Line Thickness	Group 4 >Pen 4 line thickness	0: 1, 1: 2, 2: 3	-	1	
400835 (0342) 400836 (0343)	03/06/16	R/W	Group 4 >Pen 4 Min. Value	Group 4 >Pen 4 min. display value	Input range of input type	-	-200.0	
400837 (0344) 400838 (0345)	03/06/16	R/W	Group 4 >Pen 4 Max. Value	Group 4 >Pen 4 max. display value	Input range of input type	-	1350.0	
400839 (0346)	03/06/16	R	Group 4 >Pen 4 Decimal Point	Group 4 >Pen 4 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400840 (0347)	03/06/16	R/W	Group 4 >Pen 5 CH	Group 4 >Pen 5 CH	0: None, 1 to 16	-	Auto setting	
400841 (0348)	03/06/16	R/W	Group 4 >Pen 5 Color	Group 4 >Pen 5 color	Refer color table.※4	-	Auto setting	
400842 (0349)	03/06/16	R/W	Group 4 >Pen 5 Line Thickness	Group 4 >Pen 5 line thickness	0: 1, 1: 2, 2: 3	-	1	
400843 (034A) 400844 (034B)	03/06/16	R/W	Group 4 >Pen 5 Min. Value	Group 4 >Pen 5 min. display value	Input range of input type	-	-200.0	
400845 (034C) 400846 (034D)	03/06/16	R/W	Group 4 >Pen 5 Max. Value	Group 4 >Pen 5 max. display value	Input range of input type	-	1350.0	
400847 (034E)	03/06/16	R	Group 4 >Pen 5 Decimal Point	Group 4 >Pen 5 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400848 (034F)	03/06/16	R/W	Group 4 >Pen 6 CH	Group 4 >Pen 6 CH	0: None, 1 to 16	-	Auto setting	
400849 (0350)	03/06/16	R/W	Group 4 >Pen 6 Color	Group 4 >Pen 6 color	Refer color table.※4	-	Auto setting	
400850 (0351)	03/06/16	R/W	Group 4 >Pen 6 Line Thickness	Group 4 >Pen 6 line thickness	0: 1, 1: 2, 2: 3	-	1	
400851 (0352) 400852 (0353)	03/06/16	R/W	Group 4 >Pen 6 Min. Value	Group 4 >Pen 6 min. display value	Input range of input type	-	-200.0	
400853 (0354) 400854 (0355)	03/06/16	R/W	Group 4 >Pen 6 Max. Value	Group 4 >Pen 6 max. display value	Input range of input type	-	1350.0	
400855 (0356)	03/06/16	R	Group 4 >Pen 6 Decimal Point	Group 4 >Pen 6 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400856 (0357)	03/06/16	R/W	Group 4 >Pen 7 CH	Group 4 >Pen 7 CH	0: None, 1 to 16	-	Auto setting	
400857 (0358)	03/06/16	R/W	Group 4 >Pen 7 Color	Group 4 >Pen 7 color	Refer color table.※4	-	Auto setting	
400858 (0359)	03/06/16	R/W	Group 4 >Pen 7 Line Thickness	Group 4 >Pen 7 line thickness	0: 1, 1: 2, 2: 3	-	1	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
400859 (035A)	03/06/16	R/W	Group 4 >Pen 7 Min. Value	Group 4 >Pen 7 min. display value	Input range of input type	-	-200.0	
400860 (035B)								
400861 (035C)	03/06/16	R/W	Group 4 >Pen 7 Max. Value	Group 4 >Pen 7 max. display value	Input range of input type	-	1350.0	
400862 (035D)								
400863 (035E)	03/06/16	R	Group 4 >Pen 7 Decimal Point	Group 4 >Pen 7 decimal point	Auto setting	-	-	※5
400864 (035F)	03/06/16	R/W	Group 4 >Pen 8 CH	Group 4 >Pen 8 CH	0: None, 1 to 16	-	Auto setting	
400865 (0360)	03/06/16	R/W	Group 4 >Pen 8 Color	Group 4 >Pen 8 color	Refer color table.※4	-	Auto setting	
400866 (0361)	03/06/16	R/W	Group 4 >Pen 8 Line Thickness	Group 4 >Pen 8 line thickness	0: 1, 1: 2, 2: 3	-	1	
400867 (0362)	03/06/16	R/W	Group 4 >Pen 8 Min. Value	Group 4 >Pen 8 min. display value	Input range of input type	-	-200.0	
400868 (0363)								
400869 (0364)	03/06/16	R/W	Group 4 >Pen 8 Max. Value	Group 4 >Pen 8 max. display value	Input range of input type	-	1350.0	
400870 (0365)								
400871 (0366)	03/06/16	R	Group 4 >Pen 8 Decimal Point	Group 4 >Pen 8 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400872 (0367)	03/06/16	R/W	Group 4 >Pen 9 CH	Group 4 >Pen 9 CH	0: None, 1 to 16	-	Auto setting	
400873 (0368)	03/06/16	R/W	Group 4 >Pen 9 Color	Group 4 >Pen 9 color	Refer color table.※4	-	Auto setting	
400874 (0369)	03/06/16	R/W	Group 4 >Pen 9 Line Thickness	Group 4 >Pen 9 line thickness	0: 1, 1: 2, 2: 3	-	1	
400875 (036A)	03/06/16	R/W	Group 4 >Pen 9 Min. Value	Group 4 >Pen 9 min. display value	Input range of input type	-	-200.0	
400876 (036B)								
400877 (036C)	03/06/16	R/W	Group 4 >Pen 9 Max. Value	Group 4 >Pen 9 max. display value	Input range of input type	-	1350.0	
400878 (036D)								
400879 (036E)	03/06/16	R	Group 4 >Pen 9 Decimal Point	Group 4 >Pen 9 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400880 (036F)	03/06/16	R/W	Group 4 >Pen 10 CH	Group 4 >Pen 10 CH	0: None, 1 to 16	-	Auto setting	
400881 (0370)	03/06/16	R/W	Group 4 >Pen 10 Color	Group 4 >Pen 10 color	Refer color table.※4	-	Auto setting	
400882 (0371)	03/06/16	R/W	Group 4 >Pen 10 Line Thickness	Group 4 >Pen 10 line thickness	0: 1, 1: 2, 2: 3	-	1	
400883 (0372)	03/06/16	R/W	Group 4 >Pen 10 Min. Value	Group 4 >Pen 10 min. display value	Input range of input type	-	-200.0	
400884 (0373)								
400885 (0374)	03/06/16	R/W	Group 4 >Pen 10 Max. Value	Group 4 >Pen 10 max. display value	Input range of input type	-	1350.0	
400886 (0375)								
400887 (0376)	03/06/16	R	Group 4 >Pen 10 Decimal Point	Group 4 >Pen 10 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400888 (0377)	03/06/16	R/W	Group 4 >Pen 11 CH	Group 4 >Pen 11 CH	0: None, 1 to 16	-	Auto setting	
400889 (0378)	03/06/16	R/W	Group 4 >Pen 11 Color	Group 4 >Pen 11 color	Refer color table.※4	-	Auto setting	
400890 (0379)	03/06/16	R/W	Group 4 >Pen 11 Line Thickness	Group 4 >Pen 11 line thickness	0: 1, 1: 2, 2: 3	-	1	
400891 (037A)	03/06/16	R/W	Group 4 >Pen 11 Min. Value	Group 4 >Pen 11 min. display value	Input range of input type	-	-200.0	
400892 (037B)								
400893 (037C)	03/06/16	R/W	Group 4 >Pen 11 Max. Value	Group 4 >Pen 11 max. display value	Input range of input type	-	1350.0	
400894 (037D)								
400895 (037E)	03/06/16	R	Group 4 >Pen 11 Decimal Point	Group 4 >Pen 11 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400896 (037F)	03/06/16	R/W	Group 4 >Pen 12 CH	Group 4 >Pen 12 CH	0: None, 1 to 16	-	Auto setting	
400897 (0380)	03/06/16	R/W	Group 4 >Pen 12 Color	Group 4 >Pen 12 color	Refer color table.※4	-	Auto setting	
400898 (0381)	03/06/16	R/W	Group 4 >Pen 12	Group 4 >Pen 12 line thickness	0: 1, 1: 2, 2: 3	-	1	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			Line Thickness					
400899 (0382)	03/06/16	R/W	Group 4 >Pen 12 Min. Value	Group 4 >Pen 12 min. display value	Input range of input type	-	-200.0	
400900 (0383)								
400901 (0384)	03/06/16	R/W	Group 4 >Pen 12 Max. Value	Group 4 >Pen 12 max. display value	Input range of input type	-	1350.0	
400902 (0385)								
400903 (0386)	03/06/16	R	Group 4 >Pen 12 Decimal Point	Group 4 >Pen 12 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400904 (0387)	03/06/16	R/W	Group 4 >Pen 13 CH	Group 4 >Pen 13 CH	0: None, 1 to 16	-	Auto setting	
400905 (0388)	03/06/16	R/W	Group 4 >Pen 13 Color	Group 4 >Pen 13 color	Refer color table.※4	-	Auto setting	
400906 (0389)	03/06/16	R/W	Group 4 >Pen 13 Line Thickness	Group 4 >Pen 13 line thickness	0: 1, 1: 2, 2: 3	-	1	
400907 (038A)	03/06/16	R/W	Group 4 >Pen 13 Min. Value	Group 4 >Pen 13 min. display value	Input range of input type	-	-200.0	
400908 (038B)								
400909 (038C)	03/06/16	R/W	Group 4 >Pen 13 Max. Value	Group 4 >Pen 13 max. display value	Input range of input type	-	1350.0	
400910 (038D)								
400911 (038E)	03/06/16	R	Group 4 >Pen 13 Decimal Point	Group 4 >Pen 13 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400912 (038F)	03/06/16	R/W	Group 4 >Pen 14 CH	Group 4 >Pen 14 CH	0: None, 1 to 16	-	Auto setting	
400913 (0390)	03/06/16	R/W	Group 4 >Pen 14 Color	Group 4 >Pen 14 color	Refer color table.※4	-	Auto setting	
400914 (0391)	03/06/16	R/W	Group 4 >Pen 14 Line Thickness	Group 4 >Pen 14 line thickness	0: 1, 1: 2, 2: 3	-	1	
400915 (0392)	03/06/16	R/W	Group 4 >Pen 14 Min. Value	Group 4 >Pen 14 min. display value	Input range of input type	-	-200.0	
400916 (0393)								
400917 (0394)	03/06/16	R/W	Group 4 >Pen 14 Max. Value	Group 4 >Pen 14 max. display value	Input range of input type	-	1350.0	
400918 (0395)								
400919 (0396)	03/06/16	R	Group 4 >Pen 14 Decimal Point	Group 4 >Pen 14 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400920 (0397)	03/06/16	R/W	Group 4 >Pen 15 CH	Group 4 >Pen 15 CH	0: None, 1 to 16	-	Auto setting	
400921 (0398)	03/06/16	R/W	Group 4 >Pen 15 Color	Group 4 >Pen 15 color	Refer color table.※4	-	Auto setting	
400922 (0399)	03/06/16	R/W	Group 4 >Pen 15 Line Thickness	Group 4 >Pen 15 line thickness	0: 1, 1: 2, 2: 3	-	1	
400923 (039A)	03/06/16	R/W	Group 4 >Pen 15 Min. Value	Group 4 >Pen 15 min. display value	Input range of input type	-	-200.0	
400924 (039B)								
400925 (039C)	03/06/16	R/W	Group 4 >Pen 15 Max. Value	Group 4 >Pen 15 max. display value	Input range of input type	-	1350.0	
400926 (039D)								
400927 (039E)	03/06/16	R	Group 4 >Pen 15 Decimal Point	Group 4 >Pen 15 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400928 (039F)	03/06/16	R/W	Group 4 >Pen 16 CH	Group 4 >Pen 16 CH	0: None, 1 to 16	-	Auto setting	
400929 (03A0)	03/06/16	R/W	Group 4 >Pen 16 Color	Group 4 >Pen 16 color	Refer color table.※4	-	Auto setting	
400930 (03A1)	03/06/16	R/W	Group 4 >Pen 16 Line Thickness	Group 4 >Pen 16 line thickness	0: 1, 1: 2, 2: 3	-	1	
400931 (03A2)	03/06/16	R/W	Group 4 >Pen 16 Min. Value	Group 4 >Pen 16 min. display value	Input range of input type	-	-200.0	
400932 (03A3)								
400933 (03A4)	03/06/16	R/W	Group 4 >Pen 16 Max. Value	Group 4 >Pen 16 max. display value	Input range of input type	-	1350.0	
400934 (03A5)								
400935 (03A6)	03/06/16	R	Group 4 >Pen 16 Decimal Point	Group 4 >Pen 16 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
400936 to 401000	03	R	Reserved					

3.4.1.2.5. Group 5

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
401001 (03E8) 401002 (03E9) 401003 (03EA) 401004 (03EB)	03/06/16	R/W	Group 5>Group name	Group 5 Group name	1 to 7 characters	-	GROUP 5	
401005 (03EC)	03/06/16	R/W	Group 5>CH Roation Time	Group 5 CH roation time	0: disable, 1 to 3600	Sec	5	
401006 (03ED)	03/06/16	R	Group 5 >No. of CHs	Group 5 number of CHs	0 to 16	Numbers	-	
401007 (03EE)	03/06/16	R/W	Group 5 >Background	Group 5 >Background color	Refer color table.※4	-	21	
401008 (03EF)	03/06/16	R/W	Group 5 >Pen1 CH	Group 5 >Pen 1 CH	0: None, 1 to 16	-	Auto setting	
401009 (03F0)	03/06/16	R/W	Group 5 >Pen1 Color	Group 5 >Pen 1 color	Refer color table.※4	-	Auto setting	
401010 (03F1)	03/06/16	R/W	Group 5 >Pen1 Line Thickness	Group 5 >Pen 1 line thickness	0: 1, 1: 2, 2: 3	-	1	
401011 (03F2) 401012 (03F3)	03/06/16	R/W	Group 5 >Pen1 Min. Value	Group 5 >Pen 1 min. display value	Input range of input type	-	-200.0	
401013 (03F4) 401014 (03F5)	03/06/16	R/W	Group 5 >Pen1 Max. Value	Group 5 >Pen 1 max. display value	Input range of input type	-	1350.0	
401015 (03F6)	03/06/16	R	Group 5 >Pen1 Decimal Point	Group 5 >Pen 1 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401016 (03F7)	03/06/16	R/W	Group 5 >Pen 2 CH	Group 5 >Pen 2 CH	0: None, 1 to 16	-	Auto setting	
401017 (03F8)	03/06/16	R/W	Group 5 >Pen 2 Color	Group 5 >Pen 2 color	Refer color table.※4	-	Auto setting	
401018 (03F9)	03/06/16	R/W	Group 5 >Pen 2 Line Thickness	Group 5 >Pen 2 line thickness	0: 1, 1: 2, 2: 3	-	1	
401019 (03FA) 401020 (03FB)	03/06/16	R/W	Group 5 >Pen 2 Min. Value	Group 5 >Pen 2 min. display value	Input range of input type	-	-200.0	
401021 (03FC) 401022 (03FD)	03/06/16	R/W	Group 5 >Pen 2 Max. Value	Group 5 >Pen 2 max. display value	Input range of input type	-	1350.0	
401023 (03FE)	03/06/16	R	Group 5 >Pen 2 Decimal Point	Group 5 >Pen 2 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401024 (03FF)	03/06/16	R/W	Group 5 >Pen 3 CH	Group 5 >Pen 3 CH	0: None, 1 to 16	-	Auto setting	
401025 (0400)	03/06/16	R/W	Group 5 >Pen 3 Color	Group 5 >Pen 3 color	Refer color table.※4	-	Auto setting	
401026 (0401)	03/06/16	R/W	Group 5 >Pen 3 Line Thickness	Group 5 >Pen 3 line thickness	0: 1, 1: 2, 2: 3	-	1	
401027 (0402) 401028 (0403)	03/06/16	R/W	Group 5 >Pen 3 Min. Value	Group 5 >Pen 3 min. display value	Input range of input type	-	-200.0	
401029 (0404) 401030 (0405)	03/06/16	R/W	Group 5 >Pen 3 Max. Value	Group 5 >Pen 3 max. display value	Input range of input type	-	1350.0	
401031 (0406)	03/06/16	R	Group 5 >Pen 3 Decimal Point	Group 5 >Pen 3 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401032 (0407)	03/06/16	R/W	Group 5 >Pen 4 CH	Group 5 >Pen 4 CH	0: None, 1 to 16	-	Auto setting	
401033 (0408)	03/06/16	R/W	Group 5 >Pen 4 Color	Group 5 >Pen 4 color	Refer color table.※4	-	Auto setting	
401034 (0409)	03/06/16	R/W	Group 5 >Pen 4 Line Thickness	Group 5 >Pen 4 line thickness	0: 1, 1: 2, 2: 3	-	1	
401035 (040A) 401036 (040B)	03/06/16	R/W	Group 5 >Pen 4 Min. Value	Group 5 >Pen 4 min. display value	Input range of input type	-	-200.0	
401037 (040C) 401038 (040D)	03/06/16	R/W	Group 5 >Pen 4 Max. Value	Group 5 >Pen 4 max. display value	Input range of input type	-	1350.0	
401039 (040E)	03/06/16	R	Group 5 >Pen 4 Decimal Point	Group 5 >Pen 4 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401040 (040F)	03/06/16	R/W	Group 5 >Pen 5	Group 5 >Pen 5 CH	0: None, 1 to 16	-	Auto	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			CH				setting	
401041 (0410)	03/06/16	R/W	Group 5 >Pen 5 Color	Group 5 >Pen 5 color	Refer color table.※4	-	Auto setting	
401042 (0411)	03/06/16	R/W	Group 5 >Pen 5 Line Thickness	Group 5 >Pen 5 line thickness	0: 1, 1: 2, 2: 3	-	1	
401043 (0412)	03/06/16	R/W	Group 5 >Pen 5 Min. Value	Group 5 >Pen 5 min. display value	Input range of input type	-	-200.0	
401044 (0413)								
401045 (0414)	03/06/16	R/W	Group 5 >Pen 5 Max. Value	Group 5 >Pen 5 max. display value	Input range of input type	-	1350.0	
401046 (0415)								
401047 (0416)	03/06/16	R	Group 5 >Pen 5 Decimal Point	Group 5 >Pen 5 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401048 (0417)	03/06/16	R/W	Group 5 >Pen 6 CH	Group 5 >Pen 6 CH	0: None, 1 to 16	-	Auto setting	
401049 (0418)	03/06/16	R/W	Group 5 >Pen 6 Color	Group 5 >Pen 6 color	Refer color table.※4	-	Auto setting	
401050 (0419)	03/06/16	R/W	Group 5 >Pen 6 Line Thickness	Group 5 >Pen 6 line thickness	0: 1, 1: 2, 2: 3	-	1	
401051 (041A)	03/06/16	R/W	Group 5 >Pen 6 Min. Value	Group 5 >Pen 6 min. display value	Input range of input type	-	-200.0	
401052 (041B)								
401053 (041C)	03/06/16	R/W	Group 5 >Pen 6 Max. Value	Group 5 >Pen 6 max. display value	Input range of input type	-	1350.0	
401054 (041D)								
401055 (041E)	03/06/16	R	Group 5 >Pen 6 Decimal Point	Group 5 >Pen 6 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401056 (041F)	03/06/16	R/W	Group 5 >Pen 7 CH	Group 5 >Pen 7 CH	0: None, 1 to 16	-	Auto setting	
401057 (0420)	03/06/16	R/W	Group 5 >Pen 7 Color	Group 5 >Pen 7 color	Refer color table.※4	-	Auto setting	
401058 (0421)	03/06/16	R/W	Group 5 >Pen 7 Line Thickness	Group 5 >Pen 7 line thickness	0: 1, 1: 2, 2: 3	-	1	
401059 (0422)	03/06/16	R/W	Group 5 >Pen 7 Min. Value	Group 5 >Pen 7 min. display value	Input range of input type	-	-200.0	
401060 (0423)								
401061 (0424)	03/06/16	R/W	Group 5 >Pen 7 Max. Value	Group 5 >Pen 7 max. display value	Input range of input type	-	1350.0	
401062 (0425)								
401063 (0426)	03/06/16	R	Group 5 >Pen 7 Decimal Point	Group 5 >Pen 7 decimal point	Auto setting	-	-	※5
401064 (0427)	03/06/16	R/W	Group 5 >Pen 8 CH	Group 5 >Pen 8 CH	0: None, 1 to 16	-	Auto setting	
401065 (0428)	03/06/16	R/W	Group 5 >Pen 8 Color	Group 5 >Pen 8 color	Refer color table.※4	-	Auto setting	
401066 (0429)	03/06/16	R/W	Group 5 >Pen 8 Line Thickness	Group 5 >Pen 8 line thickness	0: 1, 1: 2, 2: 3	-	1	
401067 (042A)	03/06/16	R/W	Group 5 >Pen 8 Min. Value	Group 5 >Pen 8 min. display value	Input range of input type	-	-200.0	
401068 (042B)								
401069 (042C)	03/06/16	R/W	Group 5 >Pen 8 Max. Value	Group 5 >Pen 8 max. display value	Input range of input type	-	1350.0	
401070 (042D)								
401071 (042E)	03/06/16	R	Group 5 >Pen 8 Decimal Point	Group 5 >Pen 8 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401072 (042F)	03/06/16	R/W	Group 5 >Pen 9 CH	Group 5 >Pen 9 CH	0: None, 1 to 16	-	Auto setting	
401073 (0430)	03/06/16	R/W	Group 5 >Pen 9 Color	Group 5 >Pen 9 color	Refer color table.※4	-	Auto setting	
401074 (0431)	03/06/16	R/W	Group 5 >Pen 9 Line Thickness	Group 5 >Pen 9 line thickness	0: 1, 1: 2, 2: 3	-	1	
401075 (0432)	03/06/16	R/W	Group 5 >Pen 9 Min. Value	Group 5 >Pen 9 min. display value	Input range of input type	-	-200.0	
401076 (0433)								
401077 (0434)	03/06/16	R/W	Group 5 >Pen 9 Max. Value	Group 5 >Pen 9 max. display value	Input range of input type	-	1350.0	
401078 (0435)								
401079 (0436)	03/06/16	R	Group 5 >Pen 9 Decimal Point	Group 5 >Pen 9 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401080 (0437)	03/06/16	R/W	Group 5 >Pen 10 CH	Group 5 >Pen 10 CH	0: None, 1 to 16	-	Auto setting	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
401081 (0438)	03/06/16	R/W	Group 5 >Pen 10 Color	Group 5 >Pen 10 color	Refer color table.※4	-	Auto setting	
401082 (0439)	03/06/16	R/W	Group 5 >Pen 10 Line Thickness	Group 5 >Pen 10 line thickness	0: 1, 1: 2, 2: 3	-	1	
401083 (043A)	03/06/16	R/W	Group 5 >Pen 10 Min. Value	Group 5 >Pen 10 min. display value	Input range of input type	-	-200.0	
401084 (043B)								
401085 (043C)	03/06/16	R/W	Group 5 >Pen 10 Max. Value	Group 5 >Pen 10 max. display value	Input range of input type	-	1350.0	
401086 (043D)								
401087 (043E)	03/06/16	R	Group 5 >Pen 10 Decimal Point	Group 5 >Pen 10 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401088 (043F)	03/06/16	R/W	Group 5 >Pen 11 CH	Group 5 >Pen 11 CH	0: None, 1 to 16	-	Auto setting	
401089 (0440)	03/06/16	R/W	Group 5 >Pen 11 Color	Group 5 >Pen 11 color	Refer color table.※4	-	Auto setting	
401090 (0441)	03/06/16	R/W	Group 5 >Pen 11 Line Thickness	Group 5 >Pen 11 line thickness	0: 1, 1: 2, 2: 3	-	1	
401091 (0442)	03/06/16	R/W	Group 5 >Pen 11 Min. Value	Group 5 >Pen 11 min. display value	Input range of input type	-	-200.0	
401092 (0443)								
401093 (0444)	03/06/16	R/W	Group 5 >Pen 11 Max. Value	Group 5 >Pen 11 max. display value	Input range of input type	-	1350.0	
401094 (0445)								
401095 (0446)	03/06/16	R	Group 5 >Pen 11 Decimal Point	Group 5 >Pen 11 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401096 (0447)	03/06/16	R/W	Group 5 >Pen 12 CH	Group 5 >Pen 12 CH	0: None, 1 to 16	-	Auto setting	
401097 (0448)	03/06/16	R/W	Group 5 >Pen 12 Color	Group 5 >Pen 12 color	Refer color table.※4	-	Auto setting	
401098 (0449)	03/06/16	R/W	Group 5 >Pen 12 Line Thickness	Group 5 >Pen 12 line thickness	0: 1, 1: 2, 2: 3	-	1	
401099 (044A)	03/06/16	R/W	Group 5 >Pen 12 Min. Value	Group 5 >Pen 12 min. display value	Input range of input type	-	-200.0	
401100 (044B)								
401101 (044C)	03/06/16	R/W	Group 5 >Pen 12 Max. Value	Group 5 >Pen 12 max. display value	Input range of input type	-	1350.0	
401102 (044D)								
401103 (044E)	03/06/16	R	Group 5 >Pen 12 Decimal Point	Group 5 >Pen 12 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401104 (044F)	03/06/16	R/W	Group 5 >Pen 13 CH	Group 5 >Pen 13 CH	0: None, 1 to 16	-	Auto setting	
401105 (0450)	03/06/16	R/W	Group 5 >Pen 13 Color	Group 5 >Pen 13 color	Refer color table.※4	-	Auto setting	
401106 (0451)	03/06/16	R/W	Group 5 >Pen 13 Line Thickness	Group 5 >Pen 13 line thickness	0: 1, 1: 2, 2: 3	-	1	
401107 (0452)	03/06/16	R/W	Group 5 >Pen 13 Min. Value	Group 5 >Pen 13 min. display value	Input range of input type	-	-200.0	
401108 (0453)								
401109 (0454)	03/06/16	R/W	Group 5 >Pen 13 Max. Value	Group 5 >Pen 13 max. display value	Input range of input type	-	1350.0	
401110 (0455)								
401111 (0456)	03/06/16	R	Group 5 >Pen 13 Decimal Point	Group 5 >Pen 13 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401112 (0457)	03/06/16	R/W	Group 5 >Pen 14 CH	Group 5 >Pen 14 CH	0: None, 1 to 16	-	Auto setting	
401113 (0458)	03/06/16	R/W	Group 5 >Pen 14 Color	Group 5 >Pen 14 color	Refer color table.※4	-	Auto setting	
401114 (0459)	03/06/16	R/W	Group 5 >Pen 14 Line Thickness	Group 5 >Pen 14 line thickness	0: 1, 1: 2, 2: 3	-	1	
401115 (045A)	03/06/16	R/W	Group 5 >Pen 14 Min. Value	Group 5 >Pen 14 min. display value	Input range of input type	-	-200.0	
401116 (045B)								
401117 (045C)	03/06/16	R/W	Group 5 >Pen 14 Max. Value	Group 5 >Pen 14 max. display value	Input range of input type	-	1350.0	
401118 (045D)								
401119 (045E)	03/06/16	R	Group 5 >Pen	Group 5 >Pen 14	0: 0, 1: 0.0, 2: 0.00,	-	-	※5

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			14 Decimal Point	decimal point	3: 0.000, 4: 0.0000			
401120 (045F)	03/06/16	R/W	Group 5 >Pen 15 CH	Group 5 >Pen 15 CH	0: None, 1 to 16	-	Auto setting	
401121 (0460)	03/06/16	R/W	Group 5 >Pen 15 Color	Group 5 >Pen 15 color	Refer color table.※4	-	Auto setting	
401122 (0461)	03/06/16	R/W	Group 5 >Pen 15 Line Thickness	Group 5 >Pen 15 line thickness	0: 1, 1: 2, 2: 3	-	1	
401123 (0462)	03/06/16	R/W	Group 5 >Pen 15 Min. Value	Group 5 >Pen 15 min. display value	Input range of input type	-	-200.0	
401124 (0463)								
401125 (0464)	03/06/16	R/W	Group 5 >Pen 15 Max. Value	Group 5 >Pen 15 max. display value	Input range of input type	-	1350.0	
401126 (0465)								
401127 (0466)	03/06/16	R	Group 5 >Pen 15 Decimal Point	Group 5 >Pen 15 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401128 (0467)	03/06/16	R/W	Group 5 >Pen 16 CH	Group 5 >Pen 16 CH	0: None, 1 to 16	-	Auto setting	
401129 (0468)	03/06/16	R/W	Group 5 >Pen 16 Color	Group 5 >Pen 16 color	Refer color table.※4	-	Auto setting	
401130 (0469)	03/06/16	R/W	Group 5 >Pen 16 Line Thickness	Group 5 >Pen 16 line thickness	0: 1, 1: 2, 2: 3	-	1	
401131 (046A)	03/06/16	R/W	Group 5 >Pen 16 Min. Value	Group 5 >Pen 16 min. display value	Input range of input type	-	-200.0	
401132 (046B)								
401133 (046C)	03/06/16	R/W	Group 5 >Pen 16 Max. Value	Group 5 >Pen 16 max. display value	Input range of input type	-	1350.0	
401134 (046D)								
401135 (046E)	03/06/16	R	Group 5 >Pen 16 Decimal Point	Group 5 >Pen 16 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401136 to 401200	03	R	Reserved					

3.4.1.2.6. Group 6

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
401201 (04B0)	03/06/16	R/W	Group 6>Group name	Group 6 Group name	1 to 7 characters	-	GROUP 6	
401202 (04B1)								
401203 (04B2)								
401204 (04B3)								
401205 (04B4)	03/06/16	R/W	Group 6>CH Roation Time	Group 6 CH roation time	0: disable, 1 to 3600	Sec	5	
401206 (04B5)	03/06/16	R	Group 6 >No. of CHs	Group 6 number of CHs	0 to 16	Numbers	-	
401207 (04B6)	03/06/16	R/W	Group 6 >Background	Group 6 >Background color	Refer color table.※4	-	21	
401208 (04B7)	03/06/16	R/W	Group 6 >Pen1 CH	Group 6 >Pen 1 CH	0: None, 1 to 16	-	Auto setting	
401209 (04B8)	03/06/16	R/W	Group 6 >Pen1 Color	Group 6 >Pen 1 color	Refer color table.※4	-	Auto setting	
401210 (04B9)	03/06/16	R/W	Group 6 >Pen1 Line Thickness	Group 6 >Pen 1 line thickness	0: 1, 1: 2, 2: 3	-	1	
401211 (04BA)	03/06/16	R/W	Group 6 >Pen1 Min. Value	Group 6 >Pen 1 min. display value	Input range of input type	-	-200.0	
401212 (04BB)								
401213 (04BC)	03/06/16	R/W	Group 6 >Pen1 Max. Value	Group 6 >Pen 1 max. display value	Input range of input type	-	1350.0	
401214 (04BD)								
401215 (04BE)	03/06/16	R	Group 6 >Pen1 Decimal Point	Group 6 >Pen 1 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401216 (04BF)	03/06/16	R/W	Group 6 >Pen 2 CH	Group 6 >Pen 2 CH	0: None, 1 to 16	-	Auto setting	
401217 (04C0)	03/06/16	R/W	Group 6 >Pen 2 Color	Group 6 >Pen 2 color	Refer color table.※4	-	Auto setting	
401218 (04C1)	03/06/16	R/W	Group 6 >Pen 2 Line Thickness	Group 6 >Pen 2 line thickness	0: 1, 1: 2, 2: 3	-	1	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
401219 (04C2) 401220 (04C3)	03/06/16	R/W	Group 6 >Pen 2 Min. Value	Group 6 >Pen 2 min. display value	Input range of input type	-	-200.0	
401221 (04C4) 401222 (04C5)	03/06/16	R/W	Group 6 >Pen 2 Max. Value	Group 6 >Pen 2 max. display value	Input range of input type	-	1350.0	
401223 (04C6)	03/06/16	R	Group 6 >Pen 2 Decimal Point	Group 6 >Pen 2 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401224 (04C7)	03/06/16	R/W	Group 6 >Pen 3 CH	Group 6 >Pen 3 CH	0: None, 1 to 16	-	Auto setting	
401225 (04C8)	03/06/16	R/W	Group 6 >Pen 3 Color	Group 6 >Pen 3 color	Refer color table.※4	-	Auto setting	
401226 (04C9)	03/06/16	R/W	Group 6 >Pen 3 Line Thickness	Group 6 >Pen 3 line thickness	0: 1, 1: 2, 2: 3	-	1	
401227 (04CA) 401228 (04CB)	03/06/16	R/W	Group 6 >Pen 3 Min. Value	Group 6 >Pen 3 min. display value	Input range of input type	-	-200.0	
401229 (04CC) 401230 (04CD)	03/06/16	R/W	Group 6 >Pen 3 Max. Value	Group 6 >Pen 3 max. display value	Input range of input type	-	1350.0	
401231 (04CE)	03/06/16	R	Group 6 >Pen 3 Decimal Point	Group 6 >Pen 3 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401232 (04CF)	03/06/16	R/W	Group 6 >Pen 4 CH	Group 6 >Pen 4 CH	0: None, 1 to 16	-	Auto setting	
401233 (04D0)	03/06/16	R/W	Group 6 >Pen 4 Color	Group 6 >Pen 4 color	Refer color table.※4	-	Auto setting	
401234 (04D1)	03/06/16	R/W	Group 6 >Pen 4 Line Thickness	Group 6 >Pen 4 line thickness	0: 1, 1: 2, 2: 3	-	1	
401235 (04D2) 401236 (04D3)	03/06/16	R/W	Group 6 >Pen 4 Min. Value	Group 6 >Pen 4 min. display value	Input range of input type	-	-200.0	
401237 (04D4) 401238 (04D5)	03/06/16	R/W	Group 6 >Pen 4 Max. Value	Group 6 >Pen 4 max. display value	Input range of input type	-	1350.0	
401239 (04D6)	03/06/16	R	Group 6 >Pen 4 Decimal Point	Group 6 >Pen 4 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401240 (04D7)	03/06/16	R/W	Group 6 >Pen 5 CH	Group 6 >Pen 5 CH	0: None, 1 to 16	-	Auto setting	
401241 (04D8)	03/06/16	R/W	Group 6 >Pen 5 Color	Group 6 >Pen 5 color	Refer color table.※4	-	Auto setting	
401242 (04D9)	03/06/16	R/W	Group 6 >Pen 5 Line Thickness	Group 6 >Pen 5 line thickness	0: 1, 1: 2, 2: 3	-	1	
401243 (04DA) 401244 (04DB)	03/06/16	R/W	Group 6 >Pen 5 Min. Value	Group 6 >Pen 5 min. display value	Input range of input type	-	-200.0	
401245 (04DC) 401246 (04DD)	03/06/16	R/W	Group 6 >Pen 5 Max. Value	Group 6 >Pen 5 max. display value	Input range of input type	-	1350.0	
401247 (04DE)	03/06/16	R	Group 6 >Pen 5 Decimal Point	Group 6 >Pen 5 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401248 (04DF)	03/06/16	R/W	Group 6 >Pen 6 CH	Group 6 >Pen 6 CH	0: None, 1 to 16	-	Auto setting	
401249 (04E0)	03/06/16	R/W	Group 6 >Pen 6 Color	Group 6 >Pen 6 color	Refer color table.※4	-	Auto setting	
401250 (04E1)	03/06/16	R/W	Group 6 >Pen 6 Line Thickness	Group 6 >Pen 6 line thickness	0: 1, 1: 2, 2: 3	-	1	
401251 (04E2) 401252 (04E3)	03/06/16	R/W	Group 6 >Pen 6 Min. Value	Group 6 >Pen 6 min. display value	Input range of input type	-	-200.0	
401253 (04E4) 401254 (04E5)	03/06/16	R/W	Group 6 >Pen 6 Max. Value	Group 6 >Pen 6 max. display value	Input range of input type	-	1350.0	
401255 (04E6)	03/06/16	R	Group 6 >Pen 6 Decimal Point	Group 6 >Pen 6 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401256 (04E7)	03/06/16	R/W	Group 6 >Pen 7 CH	Group 6 >Pen 7 CH	0: None, 1 to 16	-	Auto setting	
401257 (04E8)	03/06/16	R/W	Group 6 >Pen 7 Color	Group 6 >Pen 7 color	Refer color table.※4	-	Auto setting	
401258 (04E9)	03/06/16	R/W	Group 6 >Pen 7 Line Thickness	Group 6 >Pen 7 line thickness	0: 1, 1: 2, 2: 3	-	1	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
401259 (04EA)	03/06/16	R/W	Group 6 >Pen 7 Min. Value	Group 6 >Pen 7 min. display value	Input range of input type	-	-200.0	
401260 (04EB)								
401261 (04EC)	03/06/16	R/W	Group 6 >Pen 7 Max. Value	Group 6 >Pen 7 max. display value	Input range of input type	-	1350.0	
401262 (04ED)								
401263 (04EE)	03/06/16	R	Group 6 >Pen 7 Decimal Point	Group 6 >Pen 7 decimal point	Auto setting	-	-	※5
401264 (04EF)	03/06/16	R/W	Group 6 >Pen 8 CH	Group 6 >Pen 8 CH	0: None, 1 to 16	-	Auto setting	
401265 (04F0)	03/06/16	R/W	Group 6 >Pen 8 Color	Group 6 >Pen 8 color	Refer color table.※4	-	Auto setting	
401266 (04F1)	03/06/16	R/W	Group 6 >Pen 8 Line Thickness	Group 6 >Pen 8 line thickness	0: 1, 1: 2, 2: 3	-	1	
401267 (04F2)	03/06/16	R/W	Group 6 >Pen 8 Min. Value	Group 6 >Pen 8 min. display value	Input range of input type	-	-200.0	
401268 (04F3)								
401269 (04F4)	03/06/16	R/W	Group 6 >Pen 8 Max. Value	Group 6 >Pen 8 max. display value	Input range of input type	-	1350.0	
401270 (04F5)								
401271 (04F6)	03/06/16	R	Group 6 >Pen 8 Decimal Point	Group 6 >Pen 8 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401272 (04F7)	03/06/16	R/W	Group 6 >Pen 9 CH	Group 6 >Pen 9 CH	0: None, 1 to 16	-	Auto setting	
401273 (04F8)	03/06/16	R/W	Group 6 >Pen 9 Color	Group 6 >Pen 9 color	Refer color table.※4	-	Auto setting	
401274 (04F9)	03/06/16	R/W	Group 6 >Pen 9 Line Thickness	Group 6 >Pen 9 line thickness	0: 1, 1: 2, 2: 3	-	1	
401275 (04FA)	03/06/16	R/W	Group 6 >Pen 9 Min. Value	Group 6 >Pen 9 min. display value	Input range of input type	-	-200.0	
401276 (04FB)								
401277 (04FC)	03/06/16	R/W	Group 6 >Pen 9 Max. Value	Group 6 >Pen 9 max. display value	Input range of input type	-	1350.0	
401278 (04FD)								
401279 (04FE)	03/06/16	R	Group 6 >Pen 9 Decimal Point	Group 6 >Pen 9 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401280 (04FF)	03/06/16	R/W	Group 6 >Pen 10 CH	Group 6 >Pen 10 CH	0: None, 1 to 16	-	Auto setting	
401281 (0500)	03/06/16	R/W	Group 6 >Pen 10 Color	Group 6 >Pen 10 color	Refer color table.※4	-	Auto setting	
401282 (0501)	03/06/16	R/W	Group 6 >Pen 10 Line Thickness	Group 6 >Pen 10 line thickness	0: 1, 1: 2, 2: 3	-	1	
401283 (0502)	03/06/16	R/W	Group 6 >Pen 10 Min. Value	Group 6 >Pen 10 min. display value	Input range of input type	-	-200.0	
401284 (0503)								
401285 (0504)	03/06/16	R/W	Group 6 >Pen 10 Max. Value	Group 6 >Pen 10 max. display value	Input range of input type	-	1350.0	
401286 (0505)								
401287 (0506)	03/06/16	R	Group 6 >Pen 10 Decimal Point	Group 6 >Pen 10 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401288 (0507)	03/06/16	R/W	Group 6 >Pen 11 CH	Group 6 >Pen 11 CH	0: None, 1 to 16	-	Auto setting	
401289 (0508)	03/06/16	R/W	Group 6 >Pen 11 Color	Group 6 >Pen 11 color	Refer color table.※4	-	Auto setting	
401290 (0509)	03/06/16	R/W	Group 6 >Pen 11 Line Thickness	Group 6 >Pen 11 line thickness	0: 1, 1: 2, 2: 3	-	1	
401291 (050A)	03/06/16	R/W	Group 6 >Pen 11 Min. Value	Group 6 >Pen 11 min. display value	Input range of input type	-	-200.0	
401292 (050B)								
401293 (050C)	03/06/16	R/W	Group 6 >Pen 11 Max. Value	Group 6 >Pen 11 max. display value	Input range of input type	-	1350.0	
401294 (050D)								
401295 (050E)	03/06/16	R	Group 6 >Pen 11 Decimal Point	Group 6 >Pen 11 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401296 (050F)	03/06/16	R/W	Group 6 >Pen 12 CH	Group 6 >Pen 12 CH	0: None, 1 to 16	-	Auto setting	
401297 (0510)	03/06/16	R/W	Group 6 >Pen 12 Color	Group 6 >Pen 12 color	Refer color table.※4	-	Auto setting	
401298 (0511)	03/06/16	R/W	Group 6 >Pen 12	Group 6 >Pen 12 line thickness	0: 1, 1: 2, 2: 3	-	1	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			Line Thickness					
401299 (0512) 401300 (0513)	03/06/16	R/W	Group 6 >Pen 12 Min. Value	Group 6 >Pen 12 min. display value	Input range of input type	-	-200.0	
401301 (0514) 401302 (0515)	03/06/16	R/W	Group 6 >Pen 12 Max. Value	Group 6 >Pen 12 max. display value	Input range of input type	-	1350.0	
401303 (0516)	03/06/16	R	Group 6 >Pen 12 Decimal Point	Group 6 >Pen 12 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401104 (0517)	03/06/16	R/W	Group 6 >Pen 13 CH	Group 6 >Pen 13 CH	0: None, 1 to 16	-	Auto setting	
401305 (0518)	03/06/16	R/W	Group 6 >Pen 13 Color	Group 6 >Pen 13 color	Refer color table.※4	-	Auto setting	
401306 (0519)	03/06/16	R/W	Group 6 >Pen 13 Line Thickness	Group 6 >Pen 13 line thickness	0: 1, 1: 2, 2: 3	-	1	
401307 (0520) 401308 (0521)	03/06/16	R/W	Group 6 >Pen 13 Min. Value	Group 6 >Pen 13 min. display value	Input range of input type	-	-200.0	
401309 (0522) 401310 (0523)	03/06/16	R/W	Group 6 >Pen 13 Max. Value	Group 6 >Pen 13 max. display value	Input range of input type	-	1350.0	
401311 (0524)	03/06/16	R	Group 6 >Pen 13 Decimal Point	Group 6 >Pen 13 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401312 (0525)	03/06/16	R/W	Group 6 >Pen 14 CH	Group 6 >Pen 14 CH	0: None, 1 to 16	-	Auto setting	
401313 (0526)	03/06/16	R/W	Group 6 >Pen 14 Color	Group 6 >Pen 14 color	Refer color table.※4	-	Auto setting	
401314 (0527)	03/06/16	R/W	Group 6 >Pen 14 Line Thickness	Group 6 >Pen 14 line thickness	0: 1, 1: 2, 2: 3	-	1	
401315 (0528) 401316 (0529)	03/06/16	R/W	Group 6 >Pen 14 Min. Value	Group 6 >Pen 14 min. display value	Input range of input type	-	-200.0	
401317 (052A) 401318 (052B)	03/06/16	R/W	Group 6 >Pen 14 Max. Value	Group 6 >Pen 14 max. display value	Input range of input type	-	1350.0	
401319 (052C)	03/06/16	R	Group 6 >Pen 14 Decimal Point	Group 6 >Pen 14 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401320 (052D)	03/06/16	R/W	Group 6 >Pen 15 CH	Group 6 >Pen 15 CH	0: None, 1 to 16	-	Auto setting	
401321 (052E)	03/06/16	R/W	Group 6 >Pen 15 Color	Group 6 >Pen 15 color	Refer color table.※4	-	Auto setting	
401322 (052F)	03/06/16	R/W	Group 6 >Pen 15 Line Thickness	Group 6 >Pen 15 line thickness	0: 1, 1: 2, 2: 3	-	1	
401323 (0530) 401324 (0531)	03/06/16	R/W	Group 6 >Pen 15 Min. Value	Group 6 >Pen 15 min. display value	Input range of input type	-	-200.0	
401325 (0532) 401316 (0533)	03/06/16	R/W	Group 6 >Pen 15 Max. Value	Group 6 >Pen 15 max. display value	Input range of input type	-	1350.0	
401317 (0534)	03/06/16	R	Group 6 >Pen 15 Decimal Point	Group 6 >Pen 15 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401328 (0535)	03/06/16	R/W	Group 6 >Pen 16 CH	Group 6 >Pen 16 CH	0: None, 1 to 16	-	Auto setting	
401329 (0536)	03/06/16	R/W	Group 6 >Pen 16 Color	Group 6 >Pen 16 color	Refer color table.※4	-	Auto setting	
401330 (0537)	03/06/16	R/W	Group 6 >Pen 16 Line Thickness	Group 6 >Pen 16 line thickness	0: 1, 1: 2, 2: 3	-	1	
401331 (0538) 401332 (0539)	03/06/16	R/W	Group 6 >Pen 16 Min. Value	Group 6 >Pen 16 min. display value	Input range of input type	-	-200.0	
401333 (053A) 401334 (053B)	03/06/16	R/W	Group 6 >Pen 16 Max. Value	Group 6 >Pen 16 max. display value	Input range of input type	-	1350.0	
401335 (053C)	03/06/16	R	Group 6 >Pen 16 Decimal Point	Group 6 >Pen 16 decimal point	0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	-	※5
401336 to 401400	03	R	Reserved					

3.4.2 Input CH Info.

3.4.2.1 Input/Display and Input Option

3.4.2.1.1. CH1

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
402601 (0A28)	03/06/16	R/W	CH1 Parameter Copy	CH1 input parameter copying	Refer to CH table.※6	-	-	
402602 (0A29) 402603 (0A2A) 402604 (0A2B)	03/06/16	R/W	CH1 Tag Name	CH1 channel name	1 to 6 characters	-	CH-1	
402605 (0A2C)	03/06/16	R/W	CH1 Input Type	CH1 input type	Refer to input type setting table.※7	-	TC-K	
402606 (0A2D)	03/06/16	R/W	CH1 Decimal Point	CH1 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
402607 (0A2E)	03/06/16	R/W	CH1 Display Unit	CH1 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
402608 (0A2F)	03/06/16	R/W	CH1 Low-Limit Input/Low-Limit Graph Scale※9	CH1 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
402609 (0A30)	03/06/16	R/W	CH1 High-Limit Input/High-Limit Graph Scale※9	CH1 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
402610 (0A31) 402611 (0A32)	03/06/16	R/W	CH1 Low-Limit Scale	CH1 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH1 is 1(0.0), it recognizes 9999 input as 999.9.
402612 (0A33) 402613 (0A34)	03/06/16	R/W	CH1 High-Limit Scale	CH1 analog high-limit scale value	-99999 to 99999	Digit	100.0	
402614 (0A35)	03/06/16	R/W	CH1 Special Function	CH1 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
402615 (0A36)	03/06/16	R/W	Reserved					
402616 (0A37)	03/06/16	R/W	CH1 Reference CH	CH1 reference CH	Refer to CH table.※6	-	0	
402617 (0A38)	03/06/16	R/W	CH1 Input Bias	CH1 error correction	-9999 to 9999	Digit	0000	Used error correction value applied

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								scale decimal point.
402618 (0A39)	03/06/16	R/W	CH1 Span	CH1 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it recognizes 1.000.
402619 (0A3A)	03/06/16	R/W	CH1 Record Method	CH1 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
402620 (0A3B)	03/06/16	R/W	CH1 Digital Filter	CH1 input digital filter	0: None, 1: Moving	-	0	
402621 (0A3C)	03/06/16	R/W	CH1 No. of Digital Filters	CH1 no. of digital filters	1 to 128	Times	-	
402622 (0A3D)	03/06/16	R/W	CH1 Burn-out Mark	CH1 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
402623 to 402650	03/06/16	R/W	Reserved					

※6. CH table

Setting value	CH	Setting value	CH
0	None	10	CH10
1	CH1	11	CH11
2	CH2	12	CH12
3	CH3	13	CH13
4	CH4	14	CH14
5	CH5	15	CH15
6	CH6	16	CH16
7	CH7		
8	CH8		
9	CH9		

※7. Input type setting table

Setting value	Input type	Setting value	Input type
0	TC-B	14	JPT100
1	TC-C	15	DPT100
2	TC-E	16	DPT50
3	TC-G	17	CU100
4	TC-J	18	CU50
5	TC-K	19	±60mV
6	TC-L	20	±200mV
7	TC-L_R	21	±2V
8	TC-N	22	1 to 5V
9	TC-P	23	±5V
10	TC-R	24	-1 to 10V
11	TC-S	25	0 to 20mA (shunt)
12	TC-T	26	4 to 20mA (shunt)
13	TC-U		

※8. Decimal point setting table
In case of high/low-limit input value, decimal point is fixed by each input type regardless "Decimal Point" setting.

Setting value (decimal point)	Decimal point	Input type
1	0.0	TC/RTD
2	0.00	±60mV
1	0.0	±200mV
3	0.000	±2V
3	0.000	1 to 5V
3	0.000	±5V
2	0.00	-1 to 10V
2	0.00	0 to 20mA (shunt)
2	0.00	4 to 20mA (shunt)

※9. In case of analog input(voltage, current(shunt)), set low-limit input value, high-limit input value. In case of temperature sensor(TC, RTD), set low-limit graph scale, high-limit graph scale.

Ex.

Set decimal point “1” fixed for temperature sensor input
E.g.) Input 13100 when displaying 1310.0℃.

Set decimal point “2” fixed for ±60mV input
E.g.) Input 3050 when displaying 30.50mV.

3.4.2.1.2. CH2

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
402651 (0A5A)	03/06/16	R/W	CH2 Parameter Copy	CH2 input parameter copying	Refer to CH table.※6	-	-	
402652 (0A5B) 402653 (0A5C) 402654 (0A5D)	03/06/16	R/W	CH2 Tag Name	CH2 channel name	1 to 6 characters	-	CH-2	
402655 (0A5E)	03/06/16	R/W	CH2 Input Type	CH2 input type	Refer to input type setting table.※7	-	TC-K	
402656 (0A5F)	03/06/16	R/W	CH2 Decimal Point	CH2 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
402657 (0A60)	03/06/16	R/W	CH2 Display Unit	CH2 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
402658 (0A61)	03/06/16	R/W	CH2 Low-Limit Input/Low-Limit Graph Scale※9	CH2 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
402659 (0A62)	03/06/16	R/W	CH2 High-Limit Input/High-Limit Graph Scale※9	CH2 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
402660 (0A63) 402661 (0A64)	03/06/16	R/W	CH2 Low-Limit Scale	CH2 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH2 is 1(0.0), it recognizes 9999 input as 999.9.
402662 (0A65) 402663 (0A66)	03/06/16	R/W	CH2 High-Limit Scale	CH2 analog high-limit scale value	-99999 to 99999	Digit	100.0	
402664 (0A67)	03/06/16	R/W	CH2 Special Function	CH2 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
402665 (0A68)	03/06/16	R/W	Reserved					
402666 (0A69)	03/06/16	R/W	CH2 Reference CH	CH2 reference CH	Refer to CH table.※6	-	0	
402667 (0A6A)	03/06/16	R/W	CH2 Input Bias	CH2 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
402668 (0A6B)	03/06/16	R/W	CH2 Span	CH2 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								recognizes 1.000.
402669 (0A6C)	03/06/16	R/W	CH2 Record Method	CH2 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
402670 (0A6D)	03/06/16	R/W	CH2 Digital Filter	CH2 input digital filter	0: None, 1: Moving	-	0	
402671 (0A6E)	03/06/16	R/W	CH2 No. of Digital Filters	CH2 no. of digital filters	1 to 128	Times	-	
402672 (0A6F)	03/06/16	R/W	CH2 Burn-out Mark	CH2 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
402673 to 402700	03/06/16	R/W	Reserved					

3.4.2.1.3. CH3

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
402701 (0A8C)	03/06/16	R/W	CH3 Parameter Copy	CH3 input parameter copying	Refer to CH table.※6	-	-	
402702 (0A8D)	03/06/16	R/W	CH3 Tag Name	CH3 channel name	1 to 6 characters	-	CH-3	
402703 (0A8E)								
402704 (0A8F)								
402705 (0A90)	03/06/16	R/W	CH3 Input Type	CH3 input type	Refer to input type setting table.※7	-	TC-K	
402706 (0A91)	03/06/16	R/W	CH3 Decimal Point	CH3 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
402707 (0A92)	03/06/16	R/W	CH3 Display Unit	CH3 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
402708 (0A93)	03/06/16	R/W	CH3 Low-Limit Input/Low-Limit Graph Scale※9	CH3 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
402709 (0A94)	03/06/16	R/W	CH3 High-Limit Input/High-Limit Graph Scale※9	CH3 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
402710 (0A95)	03/06/16	R/W	CH3 Low-Limit Scale	CH3 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH3 is 1(0.0), it recognizes 9999 input as 999.9.
402711 (0A96)								
402712 (0A97)	03/06/16	R/W	CH3 High-Limit Scale	CH3 analog high-limit scale value	-99999 to 99999	Digit	100.0	
402713 (0A98)								

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
402714 (0A99)	03/06/16	R/W	CH3 Special Function	CH3 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
402715 (0A9A)	03/06/16	R/W	Reserved					
402716 (0A9B)	03/06/16	R/W	CH3 Reference CH	CH3 reference CH	Refer to CH table.※6	-	0	
402717 (0A9C)	03/06/16	R/W	CH3 Input Bias	CH3 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
402718 (0A9D)	03/06/16	R/W	CH3 Span	CH3 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it recognizes 1.000.
402719 (0A9E)	03/06/16	R/W	CH3 Record Method	CH3 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
402720 (0A9F)	03/06/16	R/W	CH3 Digital Filter	CH3 input digital filter	0: None, 1: Moving	-	0	
402721 (0AA0)	03/06/16	R/W	CH3 No. of Digital Filters	CH3 no. of digital filters	1 to 128	Times	-	
402722 (0AA1)	03/06/16	R/W	CH3 Burn-out Mark	CH3 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
402723 to 402750	03/06/16	R/W	Reserved					

3.4.2.1.4. CH4

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
402751 (0ABE)	03/06/16	R/W	CH4 Parameter Copy	CH4 input parameter copying	Refer to CH table.※6	-	-	
402752 (0ABF) 402753 (0AC0) 402754 (0AC1)	03/06/16	R/W	CH4 Tag Name	CH4 channel name	1 to 6 characters	-	CH-4	
402755 (0AC2)	03/06/16	R/W	CH4 Input Type	CH4 input type	Refer to input type setting table.※7	-	TC-K	
402756 (0AC3)	03/06/16	R/W	CH4 Decimal Point	CH4 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
402757 (0AC4)	03/06/16	R/W	CH4 Display Unit	CH4 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
402758 (0AC5)	03/06/16	R/W	CH4 Low-Limit Input/Low-Limit Graph Scale※9	CH4 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
402759 (0AC6)	03/06/16	R/W	CH4 High-Limit Input/High-Limit Graph Scale※9	CH4 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
402760 (0AC7) 402761 (0AC8)	03/06/16	R/W	CH4 Low-Limit Scale	CH4 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH4 is 1(0.0), it recognizes 9999 input as 999.9.
402762 (0AC9) 402763 (0ACA)	03/06/16	R/W	CH4 High-Limit Scale	CH4 analog high-limit scale value	-99999 to 99999	Digit	100.0	
402764 (0ACB)	03/06/16	R/W	CH4 Special Function	CH4 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
402765 (0ACC)	03/06/16	R/W	Reserved					
402766 (0ACD)	03/06/16	R/W	CH4 Reference CH	CH4 reference CH	Refer to CH table.※6	-	0	
402767 (0ACE)	03/06/16	R/W	CH4 Input Bias	CH4 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
402768 (0ACF)	03/06/16	R/W	CH4 Span	CH4 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								recognizes 1.000.
402769 (0AD0)	03/06/16	R/W	CH4 Record Method	CH4 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
402770 (0AD1)	03/06/16	R/W	CH4 Digital Filter	CH4 input digital filter	0: None, 1: Moving	-	0	
402771 (0AD2)	03/06/16	R/W	CH4 No. of Digital Filters	CH4 no. of digital filters	1 to 128	Times	-	
402772 (0AD3)	03/06/16	R/W	CH4 Burn-out Mark	CH4 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
402773 to 402800	03/06/16	R/W	Reserved					

3.4.2.1.5. CH5

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
402801 (0AF0)	03/06/16	R/W	CH5 Parameter Copy	CH5 input parameter copying	Refer to CH table.※6	-	-	
402802 (0AF1) 402803 (0AF2) 402804 (0AF3)	03/06/16	R/W	CH5 Tag Name	CH5 channel name	1 to 6 characters	-	CH-5	
402805 (0AF4)	03/06/16	R/W	CH5 Input Type	CH5 input type	Refer to input type setting table.※7	-	TC-K	
402806 (0AF5)	03/06/16	R/W	CH5 Decimal Point	CH5 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
402807 (0AF6)	03/06/16	R/W	CH5 Display Unit	CH5 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
402808 (0AF7)	03/06/16	R/W	CH5 Low-Limit Input/Low-Limit Graph Scale※9	CH5 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
402809 (0AF8)	03/06/16	R/W	CH5 High-Limit Input/High-Limit Graph Scale※9	CH5 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
402810 (0AF9) 402811 (0AFA)	03/06/16	R/W	CH5 Low-Limit Scale	CH5 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH5 is 1(0.0), it recognizes 9999 input as
402812 (0AFB) 402813 (0AFC)	03/06/16	R/W	CH5 High-Limit Scale	CH5 analog high-limit scale value	-99999 to 99999	Digit	100.0	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								999.9.
402814 (0AFD)	03/06/16	R/W	CH5 Special Function	CH5 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
402815 (0AFE)	03/06/16	R/W	Reserved					
402816 (0AFF)	03/06/16	R/W	CH5 Reference CH	CH5 reference CH	Refer to CH table.※6	-	0	
402817 (0B00)	03/06/16	R/W	CH5 Input Bias	CH5 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
402818 (0B01)	03/06/16	R/W	CH5 Span	CH5 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it recognizes 1.000.
402819 (0B02)	03/06/16	R/W	CH5 Record Method	CH5 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
402820 (0B03)	03/06/16	R/W	CH5 Digital Filter	CH5 input digital filter	0: None, 1: Moving	-	0	
402821 (0B04)	03/06/16	R/W	CH5 No. of Digital Filters	CH5 no. of digital filters	1 to 128	Times	-	
402822 (0B05)	03/06/16	R/W	CH5 Burn-out Mark	CH5 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
402823 to 402850	03/06/16	R/W	Reserved					

3.4.2.1.6. CH6

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
402851 (0B22)	03/06/16	R/W	CH6 Parameter Copy	CH6 input parameter copying	Refer to CH table.※6	-	-	
402852 (0B23) 402853 (0B24) 402854 (0B25)	03/06/16	R/W	CH6 Tag Name	CH6 channel name	1 to 6 characters	-	CH-6	
402855 (0B26)	03/06/16	R/W	CH6 Input Type	CH6 input type	Refer to input type setting table.※7	-	TC-K	
402856 (0B27)	03/06/16	R/W	CH6 Decimal Point	CH6 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
402857 (0B28)	03/06/16	R/W	CH6 Display Unit	CH6 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
402858 (0B29)	03/06/16	R/W	CH6 Low-Limit Input/Low-Limit Graph Scale※9	CH6 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
402859 (0B2A)	03/06/16	R/W	CH6 High-Limit Input/High-Limit Graph Scale※9	CH6 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
402860 (0B2B) 402861 (0B2C)	03/06/16	R/W	CH6 Low-Limit Scale	CH6 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH6 is 1(0.0), it recognizes 9999 input as 999.9.
402862 (0B2D) 402863 (0B2E)	03/06/16	R/W	CH6 High-Limit Scale	CH6 analog high-limit scale value	-99999 to 99999	Digit	100.0	
402864 (0B2F)	03/06/16	R/W	CH6 Special Function	CH6 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
402865 (0B30)	03/06/16	R/W	Reserved					
402866 (0B31)	03/06/16	R/W	CH6 Reference CH	CH6 reference CH	Refer to CH table.※6	-	0	
402867 (0B32)	03/06/16	R/W	CH6 Input Bias	CH6 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
402868 (0B33)	03/06/16	R/W	CH6 Span	CH6 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								recognizes 1.000.
402869 (0B34)	03/06/16	R/W	CH6 Record Method	CH6 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
402870 (0B35)	03/06/16	R/W	CH6 Digital Filter	CH6 input digital filter	0: None, 1: Moving	-	0	
402871 (0B36)	03/06/16	R/W	CH6 No. of Digital Filters	CH6 no. of digital filters	1 to 128	Times	-	
402872 (0B37)	03/06/16	R/W	CH6 Burn-out Mark	CH6 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
402873 to 402900	03/06/16	R/W	Reserved					

3.4.2.1.7. CH7

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
402901 (0B54)	03/06/16	R/W	CH7 Parameter Copy	CH7 input parameter copying	Refer to CH table.※6	-	-	
402902 (0B55)	03/06/16	R/W	CH7 Tag Name	CH7 channel name	1 to 6 characters	-	CH-7	
402903 (0B56)								
402904 (0B57)								
402905 (0B58)	03/06/16	R/W	CH7 Input Type	CH7 input type	Refer to input type setting table.※7	-	TC-K	
402906 (0B59)	03/06/16	R/W	CH7 Decimal Point	CH7 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
402907 (0B5A)	03/06/16	R/W	CH7 Display Unit	CH7 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
402908 (0B5B)	03/06/16	R/W	CH7 Low-Limit Input/Low-Limit Graph Scale※9	CH7 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
402909 (0B5C)	03/06/16	R/W	CH7 High-Limit Input/High-Limit Graph Scale※9	CH7 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
402910 (0B5D)	03/06/16	R/W	CH7 Low-Limit Scale	CH7 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH7 is 1(0.0), it recognizes 9999 input as
402911 (0B5E)								
402912 (0B5F)	03/06/16	R/W	CH7 High-Limit Scale	CH7 analog high-limit scale value	-99999 to 99999	Digit	100.0	
402913 (0B60)								

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								999.9.
402914 (0B61)	03/06/16	R/W	CH7 Special Function	CH7 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
402915 (0B62)	03/06/16	R/W	Reserved					
402916 (0B63)	03/06/16	R/W	CH7 Reference CH	CH7 reference CH	Refer to CH table.※6	-	0	
402917 (0B64)	03/06/16	R/W	CH7 Input Bias	CH7 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
402918 (0B65)	03/06/16	R/W	CH7 Span	CH7 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it recognizes 1.000.
402919 (0B66)	03/06/16	R/W	CH7 Record Method	CH7 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
402920 (0B67)	03/06/16	R/W	CH7 Digital Filter	CH7 input digital filter	0: None, 1: Moving	-	0	
402921 (0B68)	03/06/16	R/W	CH7 No. of Digital Filters	CH7 no. of digital filters	1 to 128	Times	-	
402922 (0B69)	03/06/16	R/W	CH7 Burn-out Mark	CH7 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
402923 to 402950	03/06/16	R/W	Reserved					

3.4.2.1.8. CH8

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
402951 (0B86)	03/06/16	R/W	CH8 Parameter Copy	CH8 input parameter copying	Refer to CH table.※6	-	-	
402952 (0B87)	03/06/16	R/W	CH8 Tag Name	CH8 channel name	1 to 6 characters	-	CH-8	
402953 (0B88)								
402954 (0B89)								
402955 (0B8A)	03/06/16	R/W	CH8 Input Type	CH8 input type	Refer to input type setting table.※7	-	TC-K	
402956 (0B8B)	03/06/16	R/W	CH8 Decimal Point	CH8 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
402957 (0B8C)	03/06/16	R/W	CH8 Display Unit	CH8 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								Supports all.
402958 (0B8D)	03/06/16	R/W	CH8 Low-Limit Input/Low-Limit Graph Scale※9	CH8 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table. ※8
402959 (0B8E)	03/06/16	R/W	CH8 High-Limit Input/High-Limit Graph Scale※9	CH8 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
402960 (0B8F)	03/06/16	R/W	CH8 Low-Limit Scale	CH8 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH8 is 1(0.0), it recognizes 9999 input as 999.9.
402961 (0B90)								
402962 (0B91)	03/06/16	R/W	CH8 High-Limit Scale	CH8 analog high-limit scale value	-99999 to 99999	Digit	100.0	
402963 (0B92)								
402964 (0B93)	03/06/16	R/W	CH8 Special Function	CH8 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
402965 (0B94)	03/06/16	R/W	Reserved					
402966 (0B95)	03/06/16	R/W	CH8 Reference CH	CH8 reference CH	Refer to CH table.※6	-	0	
402967 (0B96)	03/06/16	R/W	CH8 Input Bias	CH8 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
402968 (0B97)	03/06/16	R/W	CH8 Span	CH8 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it recognizes 1.000.
402969 (0B98)	03/06/16	R/W	CH8 Record Method	CH8 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
402970 (0B99)	03/06/16	R/W	CH8 Digital Filter	CH8 input digital filter	0: None, 1: Moving	-	0	
402971 (0B9A)	03/06/16	R/W	CH8 No. of Digital Filters	CH8 no. of digital filters	1 to 128	Times	-	
402972 (0B9B)	03/06/16	R/W	CH8 Burn-out Mark	CH8 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
402973 to 403000	03/06/16	R/W	Reserved					

3.4.2.1.9. CH9

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403001 (0BB8)	03/06/16	R/W	CH9 Parameter Copy	CH9 input parameter copying	Refer to CH table.※6	-	-	
403002 (0BB9) 403003 (0BBA) 403004 (0BBB)	03/06/16	R/W	CH9 Tag Name	CH9 channel name	1 to 6 characters	-	CH-9	
403005 (0BBC)	03/06/16	R/W	CH9 Input Type	CH9 input type	Refer to input type setting table.※7	-	TC-K	
403006 (0BBD)	03/06/16	R/W	CH9 Decimal Point	CH9 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
403007 (0BBE)	03/06/16	R/W	CH9 Display Unit	CH9 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
403008 (0BBF)	03/06/16	R/W	CH9 Low-Limit Input/Low-Limit Graph Scale※9	CH9 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
403009 (0BC0)	03/06/16	R/W	CH9 High-Limit Input/High-Limit Graph Scale※9	CH9 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
403010 (0BC1) 403011 (0BC2)	03/06/16	R/W	CH9 Low-Limit Scale	CH9 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH9 is 1(0.0), it recognizes 9999 input as 999.9.
403012 (0BC3) 403013 (0BC4)	03/06/16	R/W	CH9 High-Limit Scale	CH9 analog high-limit scale value	-99999 to 99999	Digit	100.0	
403014 (0BC5)	03/06/16	R/W	CH9 Special Function	CH9 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
403015 (0BC6)	03/06/16	R/W	Reserved					
403016 (0BC7)	03/06/16	R/W	CH9 Reference CH	CH9 reference CH	Refer to CH table.※6	-	0	
403017 (0BC8)	03/06/16	R/W	CH9 Input Bias	CH9 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
403018 (0BC9)	03/06/16	R/W	CH9 Span	CH9 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								recognizes 1.000.
403019 (0BCA)	03/06/16	R/W	CH9 Record Method	CH9 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
403020 (0BCB)	03/06/16	R/W	CH9 Digital Filter	CH9 input digital filter	0: None, 1: Moving	-	0	
403021 (0BCC)	03/06/16	R/W	CH9 No. of Digital Filters	CH9 no. of digital filters	1 to 128	Times	-	
403022 (0BCD)	03/06/16	R/W	CH9 Burn-out Mark	CH9 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
403023 to 403050	03/06/16	R/W	Reserved					

3.4.2.1.10.CH10

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403051 (0BEA)	03/06/16	R/W	CH10 Parameter Copy	CH10 input parameter copying	Refer to CH table.※6	-	-	
403052 (0BEB)	03/06/16	R/W	CH10 Tag Name	CH10 channel name	1 to 6 characters	-	CH-10	
403053 (0BEC)								
403054 (0BED)								
403055 (0BEE)	03/06/16	R/W	CH10 Input Type	CH10 input type	Refer to input type setting table.※7	-	TC-K	
403056 (0BEF)	03/06/16	R/W	CH10 Decimal Point	CH10 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
403057 (0BF0)	03/06/16	R/W	CH10 Display Unit	CH10 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
403058 (0BF1)	03/06/16	R/W	CH10 Low-Limit Input/Low-Limit Graph Scale※9	CH10 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
403059 (0BF2)	03/06/16	R/W	CH10 High-Limit Input/High-Limit Graph Scale※9	CH10 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
403060 (0BF3)	03/06/16	R/W	CH10 Low-Limit Scale	CH10 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH10 is 1(0.0), it recognizes 9999 input as
403061 (0BF4)								
403062 (0BF5)	03/06/16	R/W	CH10 High-Limit Scale	CH10 analog high-limit scale value	-99999 to 99999	Digit	100.0	
403063 (0BF6)								

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								999.9.
403064 (0BF7)	03/06/16	R/W	CH10 Special Function	CH10 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
403065 (0BF8)	03/06/16	R/W	Reserved					
403066 (0BF9)	03/06/16	R/W	CH10 Reference CH	CH10 reference CH	Refer to CH table.※6	-	0	
403067 (0BFA)	03/06/16	R/W	CH10 Input Bias	CH10 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
403068 (0BFB)	03/06/16	R/W	CH10 Span	CH10 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it recognizes 1.000.
403069 (0BFC)	03/06/16	R/W	CH10 Record Method	CH10 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
403070 (0BFD)	03/06/16	R/W	CH10 Digital Filter	CH10 input digital filter	0: None, 1: Moving	-	0	
403071 (0BFE)	03/06/16	R/W	CH10 No. of Digital Filters	CH10 no. of digital filters	1 to 128	Times	-	
403072 (0BFF)	03/06/16	R/W	CH10 Burn-out Mark	CH10 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
403073 to 403100	03/06/16	R/W	Reserved					

3.4.2.1.11.CH11

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403101 (0C1C)	03/06/16	R/W	CH11 Parameter Copy	CH11 input parameter copying	Refer to CH table.※6	-	-	
403102 (0C1D)	03/06/16	R/W	CH11 Tag Name	CH11 channel name	1 to 6 characters	-	CH-11	
403103 (0C1E)								
403104 (0C1F)								
403105 (0C20)	03/06/16	R/W	CH11 Input Type	CH11 input type	Refer to input type setting table.※7	-	TC-K	
403106 (0C21)	03/06/16	R/W	CH11 Decimal Point	CH11 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
403107 (0C22)	03/06/16	R/W	CH11 Display Unit	CH11 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								- Analog input Supports all.
403108 (0C23)	03/06/16	R/W	CH11 Low-Limit Input/Low-Limit Graph Scale※9	CH11 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table. ※8
403109 (0C24)	03/06/16	R/W	CH11 High-Limit Input/High-Limit Graph Scale※9	CH11 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
403110 (0C25)	03/06/16	R/W	CH11 Low-Limit Scale	CH11 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH11 is 1(0.0), it recognizes 9999 input as 999.9.
403111 (0C26)								
403112 (0C27)	03/06/16	R/W	CH11 High-Limit Scale	CH11 analog high-limit scale value	-99999 to 99999	Digit	100.0	
403113 (0C28)								
403114 (0C29)	03/06/16	R/W	CH11 Special Function	CH11 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
403115 (0C2A)	03/06/16	R/W	Reserved					
403116 (0C2B)	03/06/16	R/W	CH11 Reference CH	CH11 reference CH	Refer to CH table.※6	-	0	
403117 (0C2C)	03/06/16	R/W	CH11 Input Bias	CH11 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
403118 (0C2D)	03/06/16	R/W	CH11 Span	CH11 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it recognizes 1.000.
403119 (0C2E)	03/06/16	R/W	CH11 Record Method	CH11 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
403120 (0C2F)	03/06/16	R/W	CH11 Digital Filter	CH11 input digital filter	0: None, 1: Moving	-	0	
403121 (0C30)	03/06/16	R/W	CH11 No. of Digital Filters	CH11 no. of digital filters	1 to 128	Times	-	
403122 (0C31)	03/06/16	R/W	CH11 Burn-out Mark	CH11 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
403123 to 403150	03/06/16	R/W	Reserved					

3.4.2.1.12.CH12

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403151 (0C4E)	03/06/16	R/W	CH12 Parameter Copy	CH12 input parameter copying	Refer to CH table.※6	-	-	
403152 (0C4F) 403153 (0C50) 403154 (0C51)	03/06/16	R/W	CH12 Tag Name	CH12 channel name	1 to 6 characters	-	CH-12	
403155 (0C52)	03/06/16	R/W	CH12 Input Type	CH12 input type	Refer to input type setting table.※7	-	TC-K	
403156 (0C53)	03/06/16	R/W	CH12 Decimal Point	CH12 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
403157 (0C54)	03/06/16	R/W	CH12 Display Unit	CH12 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
403158 (0C55)	03/06/16	R/W	CH12 Low-Limit Input/Low-Limit Graph Scale※9	CH12 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
403159 (0C56)	03/06/16	R/W	CH12 High-Limit Input/High-Limit Graph Scale※9	CH12 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
403160 (0C57) 403161 (0C58)	03/06/16	R/W	CH12 Low-Limit Scale	CH12 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH12 is 1(0.0), it recognizes 9999 input as 999.9.
403162 (0C59) 403163 (0C5A)	03/06/16	R/W	CH12 High-Limit Scale	CH12 analog high-limit scale value	-99999 to 99999	Digit	100.0	
403164 (0C5B)	03/06/16	R/W	CH12 Special Function	CH12 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
403165 (0C5C)	03/06/16	R/W	Reserved					
403166 (0C5D)	03/06/16	R/W	CH12 Reference CH	CH12 reference CH	Refer to CH table.※6	-	0	
403167 (0C5E)	03/06/16	R/W	CH12 Input Bias	CH12 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
403168 (0C5F)	03/06/16	R/W	CH12 Span	CH12 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								recognizes 1.000.
403169 (0C60)	03/06/16	R/W	CH12 Record Method	CH12 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
403170 (0C61)	03/06/16	R/W	CH12 Digital Filter	CH12 input digital filter	0: None, 1: Moving	-	0	
403171 (0C62)	03/06/16	R/W	CH12 No. of Digital Filters	CH12 no. of digital filters	1 to 128	Times	-	
403172 (0C63)	03/06/16	R/W	CH12 Burn-out Mark	CH12 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
403173 to 403200	03/06/16	R/W	Reserved					

3.4.2.1.13.CH13

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403201 (0C80)	03/06/16	R/W	CH13 Parameter Copy	CH13 input parameter copying	Refer to CH table.※6	-	-	
403202 (0C81) 403203 (0C82) 403204 (0C83)	03/06/16	R/W	CH13 Tag Name	CH13 channel name	1 to 6 characters	-	CH-13	
403205 (0C84)	03/06/16	R/W	CH13 Input Type	CH13 input type	Refer to input type setting table.※7	-	TC-K	
403206 (0C85)	03/06/16	R/W	CH13 Decimal Point	CH13 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
403207 (0C86)	03/06/16	R/W	CH13 Display Unit	CH13 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
403208 (0C87)	03/06/16	R/W	CH13 Low-Limit Input/Low-Limit Graph Scale※9	CH13 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
403209 (0C88)	03/06/16	R/W	CH13 High-Limit Input/High-Limit Graph Scale※9	CH13 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
403210 (0C89) 403211 (0C8A)	03/06/16	R/W	CH13 Low-Limit Scale	CH13 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH13 is 1(0.0), it recognizes
403212 (0C8B) 403213 (0C8C)	03/06/16	R/W	CH13 High-Limit Scale	CH13 analog high-limit scale value	-99999 to 99999	Digit	100.0	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								9999 input as 999.9.
403214 (0C8D)	03/06/16	R/W	CH13 Special Function	CH13 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
403215 (0C8E)	03/06/16	R/W	Reserved					
403216 (0C8F)	03/06/16	R/W	CH13 Reference CH	CH13 reference CH	Refer to CH table.※6	-	0	
403217 (0C90)	03/06/16	R/W	CH13 Input Bias	CH13 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
403218 (0C91)	03/06/16	R/W	CH13 Span	CH13 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it recognizes 1.000.
403219 (0C92)	03/06/16	R/W	CH13 Record Method	CH13 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
403220 (0C93)	03/06/16	R/W	CH13 Digital Filter	CH13 input digital filter	0: None, 1: Moving	-	0	
403221 (0C94)	03/06/16	R/W	CH13 No. of Digital Filters	CH13 no. of digital filters	1 to 128	Times	-	
403222 (0C95)	03/06/16	R/W	CH13 Burn-out Mark	CH13 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
403223 to 403250	03/06/16	R	Reserved					

3.4.2.1.14.CH14

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403251 (0CB2)	03/06/16	R/W	CH14 Parameter Copy	CH14 input parameter copying	Refer to CH table.※6	-	-	
403252 (0CB3) 403253 (0CB4) 403254 (0CB5)	03/06/16	R/W	CH14 Tag Name	CH14 channel name	1 to 6 characters	-	CH-14	
403255 (0CB6)	03/06/16	R/W	CH14 Input Type	CH14 input type	Refer to input type setting table.※7	-	TC-K	
403256 (0CB7)	03/06/16	R/W	CH14 Decimal Point	CH14 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
403257 (0CB8)	03/06/16	R/W	CH14 Display Unit	CH14 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
								- Analog input Supports all.
403258 (0CB9)	03/06/16	R/W	CH14 Low-Limit Input/Low-Limit Graph Scale※9	CH14 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table. ※8
403259 (0CBA)	03/06/16	R/W	CH14 High-Limit Input/High-Limit Graph Scale※9	CH14 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
403260 (0CBB)	03/06/16	R/W	CH14 Low-Limit Scale	CH14 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH14 is 1(0.0), it recognizes 9999 input as 999.9.
403261 (0CBC)								
403262 (0CBD)	03/06/16	R/W	CH14 High-Limit Scale	CH14 analog high-limit scale value	-99999 to 99999	Digit	100.0	
403263 (0CBE)								
403264 (0CBF)	03/06/16	R/W	CH14 Special Function	CH14 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
403265 (0CC0)	03/06/16	R/W	Reserved					
403266 (0CC1)	03/06/16	R/W	CH14 Reference CH	CH14 reference CH	Refer to CH table.※6	-	0	
403267 (0CC2)	03/06/16	R/W	CH14 Input Bias	CH14 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
403268 (0CC3)	03/06/16	R/W	CH14 Span	CH14 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it recognizes 1.000.
403269 (0CC4)	03/06/16	R/W	CH14 Record Method	CH14 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
403270 (0CC5)	03/06/16	R/W	CH14 Digital Filter	CH14 input digital filter	0: None, 1: Moving	-	0	
403271 (0CC6)	03/06/16	R/W	CH14 No. of Digital Filters	CH14 no. of digital filters	1 to 128	Times	-	
403272 (0CC7)	03/06/16	R/W	CH14 Burn-out Mark	CH14 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
403273 to 403300	03/06/16	R/W	Reserved					

3.4.2.1.15.CH15

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403301 (0CE4)	03/06/16	R/W	CH15 Parameter Copy	CH15 input parameter copying	Refer to CH table.※6	-	-	
403302 (0CE5)	03/06/16	R/W	CH15 Tag Name	CH15 channel name	1 to 6 characters	-	CH-15	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403303 (0CE6)								
403304 (0CE7)								
403305 (0CE8)	03/06/16	R/W	CH15 Input Type	CH15 input type	Refer to input type setting table.※7	-	TC-K	
403306 (0CE9)	03/06/16	R/W	CH15 Decimal Point	CH15 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
403307 (0CEA)	03/06/16	R/W	CH15 Display Unit	CH15 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
403308 (0CEB)	03/06/16	R/W	CH15 Low-Limit Input/Low-Limit Graph Scale※9	CH15 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
403309 (0CEC)	03/06/16	R/W	CH15 High-Limit Input/High-Limit Graph Scale※9	CH15 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
403310 (0CED)	03/06/16	R/W	CH15 Low-Limit Scale	CH15 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH15 is 1(0.0), it recognizes 9999 input as 999.9.
403311 (0CEE)								
403312 (0CEF)	03/06/16	R/W	CH15 High-Limit Scale	CH15 analog high-limit scale value	-99999 to 99999	Digit	100.0	
403313 (0CF0)								
403314 (0CF1)	03/06/16	R/W	CH15 Special Function	CH15 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
403315 (0CF2)	03/06/16	R/W	Reserved					
403316 (0CF3)	03/06/16	R/W	CH15 Reference CH	CH15 reference CH	Refer to CH table.※6	-	0	
403317 (0CF4)	03/06/16	R/W	CH15 Input Bias	CH15 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
403318 (0CF5)	03/06/16	R/W	CH15 Span	CH15 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it recognizes 1.000.
403319 (0CF6)	03/06/16	R/W	CH15 Record Method	CH15 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
403320 (0CF7)	03/06/16	R/W	CH15 Digital Filter	CH15 input digital filter	0: None, 1: Moving	-	0	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403321 (0CF8)	03/06/16	R/W	CH15 No. of Digital Filters	CH15 no. of digital filters	1 to 128	Times	-	
403322 (0CF9)	03/06/16	R/W	CH15 Burn-out Mark	CH15 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
403323 to 403350	03/06/16	R/W	Reserved					

3.4.2.1.16.CH16

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403351 (0D16)	03/06/16	R/W	CH16 Parameter Copy	CH16 input parameter copying	Refer to CH table.※6	-	-	
403352 (0D17) 403353 (0D18) 403354 (0D19)	03/06/16	R/W	CH16 Tag Name	CH16 channel name	1 to 6 characters	-	CH-16	
403355 (0D1A)	03/06/16	R/W	CH16 Input Type	CH16 input type	Refer to input type setting table.※7	-	TC-K	
403356 (0D1B)	03/06/16	R/W	CH16 Decimal Point	CH16 decimal point	- Temperature sensor input 0: 0, 1: 0.0 - Analog input 0: 0, 1: 0.0, 2: 0.00, 3: 0.000, 4: 0.0000	-	1	
403357 (0D1C)	03/06/16	R/W	CH16 Display Unit	CH16 temperature unit	Refer to display unit table.※2	-	0	- Temperature sensor input 0: ℃, 1: ˚F, 2: ˚K - Analog input Supports all.
403358 (0D1D)	03/06/16	R/W	CH16 Low-Limit Input/Low-Limit Graph Scale※9	CH16 low-limit input value/low-limit graph scale value	Min. value of input range to high-limit input value/high-limit graph scale value - F.S 5%	-	-200.0	Refer to decimal point setting table.※8
403359 (0D1E)	03/06/16	R/W	CH16 High-Limit Input/High-Limit Graph Scale※9	CH16 high-limit input value/ high-limit graph scale value	Low-limit input value/low-limit graph scale value+F.S 5%) to max. value of input range	-	1350.0	
403360 (0D1F) 403361 (0D20)	03/06/16	R/W	CH16 Low-Limit Scale	CH16 analog low-limit scale value	-99999 to 99999	Digit	0.0	E.g.) When decimal point of CH16 is 1(0.0), it recognizes 9999 input as 999.9.
403362 (0D21) 403363 (0D22)	03/06/16	R/W	CH16 High-Limit Scale	CH16 analog high-limit scale value	-99999 to 99999	Digit	100.0	
403364 (0D23)	03/06/16	R/W	CH16 Special Function	CH16 special function	- Temperature sensor input 0: None, 1: Difference -Analog input 0: Linear, 1: Root, 2: Square, 3: Two Unit	-	0	Two Unit is available only for 4 to 20mA(shunt) input.
403365 (0D24)	03/06/16	R/W	Reserved					
403366 (0D25)	03/06/16	R/W	CH16 Reference CH	CH16 reference CH	Refer to CH table.※6	-	0	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403367 (0D26)	03/06/16	R/W	CH16 Input Bias	CH16 error correction	-9999 to 9999	Digit	0000	Used error correction value applied scale decimal point.
403368 (0D27)	03/06/16	R/W	CH16 Span	CH16 span adjustment	0.100 to 5.000	Multiply	1.000	Setting as 1000, it recognizes 1.000.
403369 (0D28)	03/06/16	R/W	CH16 Record Method	CH16 data record method	0: Instant, 1: Min. Value, 2: Max. Value, 3: Average	-	0	
403370 (0D29)	03/06/16	R/W	CH16 Digital Filter	CH16 input digital filter	0: None, 1: Moving	-	0	
403371 (0D2A)	03/06/16	R/W	CH16 No. of Digital Filters	CH16 no. of digital filters	1 to 128	Times	-	
403372 (0D2B)	03/06/16	R/W	CH16 Burn-out Mark	CH16 burn-out mark	0: None, 1: High-Limit Scale, 2: Low-Limit Scale	-	0	
403373 to 403400	03/06/16	R/W	Reserved					

3.4.2.1.17.User Unit

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403501 (0DAC)	03/06/16	R/W	User unit 0	User unit 0	0 to 6 characters	-	""	English capital/small letter, sign, number setting (ASCII code)
403502 (0DAD)								
403503 (0DAE)								
403504 (0DAF)	03/06/16	R/W	User unit 1	User unit 1	0 to 6 characters	-	""	
403505 (0DB0)								
403506 (0DB1)								
403507 (0DB2)	03/06/16	R/W	User unit 2	User unit 2	0 to 6 characters	-	""	
403508 (0DB3)								
403509 (0DB4)								
403510 (0DB5)	03/06/16	R/W	User unit 3	User unit 3	0 to 6 characters	-	""	
403511 (0DB6)								
403512 (0DB7)								
403513 (0DB8)	03/06/16	R/W	User unit 4	User unit 4	0 to 6 characters	-	""	
403514 (0DB9)								
403515 (0DBA)								
403516 (0DBB)	03/06/16	R/W	User unit 5	User unit 5	0 to 6 characters	-	""	
403517 (0DBC)								
403518 (0DBD)								
403519 (0DBE)	03/06/16	R/W	User unit 6	User unit 6	0 to 6 characters	-	""	
403520 (0DBF)								
403521 (0DC0)								
403522 (0DC1)	03/06/16	R/W	User unit 7	User unit 7	0 to 6 characters	-	""	
403523 (0DC2)								
403524 (0DC3)								
403525 (0DC4)	03/06/16	R/W	User unit 8	User unit 8	0 to 6 characters	-	""	
403526 (0DC5)								
403527 (0DC6)								
403528 (0DC7)	03/06/16	R/W	User unit 9	User unit 9	0 to 6 characters	-	""	
403529 (0DC8)								
403530 (0DC9)								

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403531 to 403550	03/06/16	R	Reserved					

3.4.2.2 Alarm

3.4.2.2.1. CH1

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403551 (0DDE)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
403552 (0DDF)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
403553 (0DE0)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
403554 (0DE1)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
403555 (0DE2) 403556 (0DE3)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
403557 (0DE4)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
403558 (0DE5)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
403559 (0DE6)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
403560 (0DE7)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
403561 (0DE8)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
403562 (0DE9)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403563 (0DEA)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
403564 (0DEB)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403565 (0DEC) 403566 (0DED)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
403567 (0DEE)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
403568 (0DEF)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
403569 (0DF0)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
403570 (0DF1)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
403571 (0DF2)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
403572 (0DF3)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403573 (0DF4)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
403574 (0DF5)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403575 (0DF6) 403576 (0DF7)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
403577 (0DF8)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
403578 (0DF9)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
403579 (0DFA)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
403580 (0DFB)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
403581 (0DFC)	03/06/16	R/W	Alarm 3	Alarm 3 save event	0: OFF, 1: ON	-	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			Save Event					
403582 (0DFD)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403583 (0DFE)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
403584 (0DFF)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403585 (0E00) 403586 (0E01)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
403587 (0E02)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
403588 (0E03)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
403589 (0E04)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
403590 (0E05)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
403591 (0E06)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
403592 to 403600	03/06/16	R/W	Reserved					

※10.Alarm CH table

Setting value	CH	Setting value	CH
0	None	5	Relay-5
1	Relay-1	6	Relay-6
2	Relay-2	7	Relay-7
3	Relay-3	8	Relay-8
4	Relay-4		

3.4.2.2.2. CH2

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403601 (0E10)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
403602 (0E11)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
403603 (0E12)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
403604 (0E13)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
403605 (0E14) 403606 (0E15)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
403607 (0E16)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
403608 (0E17)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
403609 (0E18)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
403610 (0E19)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
403611 (0E1A)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
403612 (0E1B)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403613 (0E1C)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
403614 (0E1D)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403615 (0E1E) 403616 (0E1F)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403617 (0E20)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
403618 (0E21)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
403619 (0E22)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
403620 (0E23)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
403621 (0E24)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
403622 (0E25)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403623 (0E26)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
403624 (0E27)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403625 (0E28) 403626 (0E29)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
403627 (0E2A)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
403628 (0E2B)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
403629 (0E2C)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
403630 (0E2D)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
403631 (0E2E)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
403632 (0E2F)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403633 (0E30)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
403634 (0E31)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403635 (0E32) 403636 (0E33)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
403637 (0E34)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
403638 (0E35)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
403639 (0E36)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
403640 (0E37)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
403641 (0E38)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
403642 to 403650	03/06/16	R/W	Reserved					

3.4.2.2.3. CH3

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403651 (0E42)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
403652 (0E43)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
403653 (0E44)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
403654 (0E45)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
403655 (0E46) 403656 (0E47)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
403657 (0E48)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403658 (0E49)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
403659 (0E4A)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
403660 (0E4B)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
403661 (0E4C)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
403662 (0E4D)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403663 (0E4E)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
403664 (0E4F)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403665 (0E50) 403666 (0E51)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
403667 (0E52)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
403668 (0E53)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
403669 (0E54)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
403670 (0E55)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
403671 (0E56)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
403672 (0E57)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403673 (0E58)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
403674 (0E59)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403675 (0E5A) 403676 (0E5B)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
403677 (0E5C)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
403678 (0E5D)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
403679 (0E5E)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
403680 (0E5F)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
403681 (0E60)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
403682 (0E61)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403683 (0E62)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
403684 (0E63)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403685 (0E64) 403686 (0E65)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
403687 (0E66)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
403688 (0E67)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
403689 (0E68)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
403690 (0E69)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
403691 (0E6A)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
403692 to 403700	03/06/16	R/W	Reserved					

3.4.2.2.4. CH4

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403701 (0E74)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
403702 (0E75)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
403703 (0E76)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
403704 (0E77)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
403705 (0E78) 403706 (0E79)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
403707 (0E7A)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
403708 (0E7B)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
403709 (0E7C)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
403710 (0E7D)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
403711 (0E7E)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
403712 (0E7F)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403713 (0E80)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
403714 (0E81)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403715 (0E82) 403716 (0E83)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
403717 (0E84)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
403718 (0E85)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
403719 (0E86)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
403720 (0E87)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
403721 (0E88)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
403722 (0E89)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403723 (0E8A)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
403724 (0E8B)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403725 (0E8C) 403726 (0E8D)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
403727 (0E8E)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
403728 (0E8F)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
403729 (0E90)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
403730 (0E91)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
403731 (0E92)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
403732 (0E93)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403733 (0E94)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
403734 (0E95)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403735 (0E96) 403736 (0E97)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
403737 (0E98)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
403738 (0E99)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
403739 (0E9A)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
403740 (0E9B)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
403741 (0E9C)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
403742 to 403750	03/06/16	R/W	Reserved					

3.4.2.2.5. CH5

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403751 (0EA6)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
403752 (0EA7)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
403753 (0EA8)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
403754 (0EA9)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
403755 (0EAA) 403756 (0EAB)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
403757 (0EAC)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
403758 (0EAD)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
403759 (0EAE)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
403760 (0EAF)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
403761 (0EB0)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
403762 (0EB1)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403763 (0EB2)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
403764 (0EB3)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403765 (0EB4) 403766 (0EB5)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
403767 (0EB6)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
403768 (0EB7)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
403769 (0EB8)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
403770 (0EB9)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
403771 (0EBA)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
403772 (0EBB)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403773 (0EBC)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
403774 (0EBD)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403775 (0EBE)	03/06/16	R/W	Alarm 3 Setting	Alarm 3 setting value	F.S of each CH.	Digit	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403776 (0EBF)			Value					
403777 (0EC0)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
403778 (0EC1)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
403779 (0EC2)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
403780 (0EC3)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
403781 (0EC4)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
403782 (0EC5)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403783 (0EC6)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
403784 (0EC7)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403785 (0EC8) 403786 (0EC9)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
403787 (0ECA)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
403788 (0ECB)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
403789 (0ECC)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
403790 (0ECD)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
403791 (0ECE)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
403792 to 403800	03/06/16	R/W	Reserved					

3.4.2.2.6. CH6

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403801 (0ED8)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
403802 (0ED9)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
403803 (0EDA)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
403804 (0EDB)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
403805 (0EDC) 403806 (0EDD)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
403807 (0EDE)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
403808 (0EDF)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
403809 (0EE0)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
403810 (0EE1)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
403811 (0EE2)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
403812 (0EE3)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403813 (0EE4)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
403814 (0EE5)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403815 (0EE6) 403816 (0EE7)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403817 (0EE8)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
403818 (0EE9)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
403819 (0EEA)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
403820 (0EEB)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
403821 (0EEC)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
403822 (0EED)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403823 (0EEE)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
403824 (0EEF)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403825 (0EF0) 403826 (0EF1)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
403827 (0EF2)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
403828 (0EF3)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
403829 (0EF4)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
403830 (0EF5)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
403831 (0EF6)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
403832 (0EF7)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403833 (0EF8)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
403834 (0EF9)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403835 (0EFA) 403836 (0EFB)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
403837 (0EFC)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
403838 (0EFD)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
403839 (0EFE)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
403840 (0EFF)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
403841 (0F00)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
403842 to 403850	03/06/16	R/W	Reserved					

3.4.2.2.7. CH7

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403851 (0F0A)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
403852 (0F0B)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
403853 (0F0C)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
403854 (0F0D)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
403855 (0F0E) 403856 (0F0F)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
403857 (0F10)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
403858 (0F11)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
403859 (0F12)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
403860 (0F13)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
403861 (0F14)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
403862 (0F15)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403863 (0F16)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
403864 (0F17)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403865 (0F18) 403866 (0F19)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
403867 (0F1A)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
403868 (0F1B)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
403869 (0F1C)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
403870 (0F1D)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
403871 (0F1E)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
403872 (0F1F)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403873 (0F20)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
403874 (0F21)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403875 (0F22) 403876 (0F23)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
403877 (0F24)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
403878 (0F25)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
403879 (0F26)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
403880 (0F27)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
403881 (0F28)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
403882 (0F29)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403883 (0F2A)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
403884 (0F2B)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403885 (0F2C) 403886 (0F2D)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
403887 (0F2E)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
403888 (0F2F)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
403889 (0F30)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
403890 (0F31)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
403891 (0F32)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
403892 to 403900	03/06/16	R/W	Reserved					

3.4.2.2.8. CH8

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403901 (0F3C)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
403902 (0F3D)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
403903 (0F3E)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
403904 (0F3F)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
403905 (0F40) 403906 (0F41)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
403907 (0F42)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
403908 (0F43)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
403909 (0F44)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
403910 (0F45)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
403911 (0F46)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
403912 (0F47)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403913 (0F48)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
403914 (0F49)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403915 (0F4A) 403916 (0F4B)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
403917 (0F4C)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
403918 (0F4D)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
403919 (0F4E)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
403920 (0F4F)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
403921 (0F50)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
403922 (0F51)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403923 (0F52)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
403924 (0F53)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403925 (0F54) 403926 (0F55)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403927 (0F56)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
403928 (0F57)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
403929 (0F58)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
403930 (0F59)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
403931 (0F5A)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
403932 (0F5B)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403933 (0F5C)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
403934 (0F5D)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403935 (0F5E) 403936 (0F5F)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
403937 (0F60)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
403938 (0F61)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
403939 (0F62)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
403940 (0F63)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
403941 (0F64)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
403942 to 403950	03/06/16	R/W	Reserved					

3.4.2.2.9. CH9

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403951 (0F6E)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
403952 (0F6F)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
403953 (0F70)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
403954 (0F71)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
403955 (0F72) 403956 (0F73)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
403957 (0F74)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
403958 (0F75)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
403959 (0F76)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
403960 (0F77)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
403961 (0F78)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
403962 (0F79)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403963 (0F7A)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
403964 (0F7B)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403965 (0F7C) 403966 (0F7D)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
403967 (0F7E)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
403968 (0F7F)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
403969 (0F80)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
403970 (0F81)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
403971 (0F82)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
403972 (0F83)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403973 (0F84)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
403974 (0F85)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403975 (0F86) 403976 (0F87)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
403977 (0F88)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
403978 (0F89)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
403979 (0F8A)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
403980 (0F8B)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
403981 (0F8C)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
403982 (0F8D)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
403983 (0F8E)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
403984 (0F8F)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
403985 (0F90) 403986 (0F91)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
403987 (0F92)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
403988 (0F93)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
403989 (0F94)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
403990 (0F95)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
403991 (0F96)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
403992 to 404000	03/06/16	R/W	Reserved					

3.4.2.2.10.CH10

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404001 (0FA0)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
404002 (0FA1)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
404003 (0FA2)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
404004 (0FA3)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
404005 (0FA4) 404006 (0FA5)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
404007 (0FA6)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
404008 (0FA7)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
404009 (0FA8)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
404010 (0FA9)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
404011 (0FAA)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
404012 (0FAB)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404013 (0FAC)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
404014 (0FAD)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404015 (0FAE) 404016 (0FAF)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
404017 (0FB0)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
404018 (0FB1)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
404019 (0FB2)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
404020 (0FB3)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
404021 (0FB4)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
404022 (0FB5)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404023 (0FB6)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
404024 (0FB7)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404025 (0FB8) 404026 (0FB9)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
404027 (0FBA)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
404028 (0FBB)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
404029 (0FBC)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
404030 (0FBD)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
404031 (0FBE)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
404032 (0FBF)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404033 (0FC0)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
404034 (0FC1)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404035 (0FC2) 404036 (0FC3)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
404037 (0FC4)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
404038 (0FC5)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
404039 (0FC6)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
404040 (0FC7)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
404041 (0FC8)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
404042 to 404050	03/06/16	R/W	Reserved					

3.4.2.2.11.CH11

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404051 (0FD2)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
404052 (0FD3)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
404053 (0FD4)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
404054 (0FD5)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
404055 (0FD6) 404056 (0FD7)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
404057 (0FD8)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
404058 (0FD9)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
404059 (0FDA)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
404060 (0FDB)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
404061 (0FDC)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
404062 (0FDD)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404063 (0FDE)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
404064 (0FDF)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404065 (0FE0) 404066 (0FE1)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
404067 (0FE2)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
404068 (0FE3)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
404069 (0FE4)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
404070 (0FE5)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
404071 (0FE6)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
404072 (0FE7)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404073 (0FE8)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
404074 (0FE9)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404075 (0FEA) 404076 (0FEB)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404077 (0FEC)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
404078 (0FED)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
404079 (0FEE)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
404080 (0FEF)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
404081 (0FF0)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
404082 (0FF1)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404083 (0FF2)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
404084 (0FF3)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404085 (0FF4) 404086 (0FF5)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
404087 (0FF6)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
404088 (0FF7)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
404089 (0FF8)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
404090 (0FF9)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
404091 (0FFA)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
404092 to 404100	03/06/16	R/W	Reserved					

3.4.2.2.12.CH12

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404101 (1004)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
404102 (1005)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
404103 (1006)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
404104 (1007)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
404105 (1008) 404106 (1009)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
404107 (100A)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
404108 (100B)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
404109 (100C)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
404110 (100D)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
404111 (100E)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
404112 (100F)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404113 (1010)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
404114 (1011)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404115 (1012) 404116 (1013)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
404117 (1014)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404118 (1015)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
404119 (1016)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
404120 (1017)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
404121 (1018)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
404122 (1019)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404123 (101A)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
404124 (101B)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404125 (101C) 404126 (101D)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
404127 (101E)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
404128 (101F)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
404129 (1020)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
404130 (1021)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
404131 (1022)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
404132 (1023)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404133 (1024)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
404134 (1025)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404135 (1026) 404136 (1027)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
404137 (1028)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
404138 (1029)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
404139 (102A)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
404140 (102B)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
404141 (102C)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
404142 to 404150	03/06/16	R/W	Reserved					

3.4.2.2.13.CH13

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
04151 (1036)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
04152 (1037)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
04153 (1038)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
04154 (1039)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
04155 (103A) 04156 (103B)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
04157 (103C)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
04158 (103D)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
04159 (103E)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
04160 (103F)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
04161 (1040)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
04162 (1041)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
04163 (1042)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
04164 (1043)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
04165 (1044) 04166 (1045)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
04167 (1046)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
04168 (1047)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
04169 (1048)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
04170 (1049)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
04171 (104A)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
04172 (104B)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
04173 (104C)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
04174 (104D)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
04175 (104E) 04176 (104F)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
04177 (1050)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
04178 (1051)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
04179 (1052)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
04180 (1053)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
04181 (1054)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
04182 (1055)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
04183 (1056)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
04184 (1057)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
04185 (1058) 04186 (1059)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
04187 (105A)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
04188 (105B)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
04189 (105C)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
04190 (105D)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
04191 (105E)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
04192 to 04200	03/06/16	R/W	Reserved					

3.4.2.2.14.CH14

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404201 (1068)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
404202 (1069)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
404203 (106A)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
404204 (106B)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
404205 (106C) 404206 (106D)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
404207 (106E)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
404208 (106F)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
404209 (1070)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
404210 (1071)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
404211 (1072)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
404212 (1073)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404213 (1074)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
404214 (1075)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404215 (1076) 404216 (1077)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
404217 (1078)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
404218 (1079)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
404219 (107A)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
404220 (107B)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
404221 (107C)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
404222 (107D)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404223 (107E)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
404224 (107F)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404225 (1080) 404226 (1081)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404227 (1082)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
404228 (1083)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
404229 (1084)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
404230 (1085)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
404231 (1086)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
404232 (1087)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404233 (1088)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
404234 (1089)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404235 (108A) 404236 (108B)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
404237 (108C)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
404238 (108D)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
404239 (108E)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
404240 (108F)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
404241 (1090)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
404242 to 404250	03/06/16	R/W	Reserved					

3.4.2.2.15.CH15

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404251 (109A)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
404252 (109B)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
404253 (109C)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
404254 (109D)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
404255 (109E) 404256 (109F)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
404257 (10A0)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
404258 (10A1)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
404259 (10A2)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
404260 (10A3)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
404261 (10A4)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
404262 (10A5)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404263 (10A6)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
404264 (10A7)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404265 (10A8) 404266 (10A9)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
404267 (10AA)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404268 (10AB)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
404269 (10AC)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
404270 (10AD)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
404271 (10AE)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
404272 (10AF)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404273 (10B0)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
404274 (10B1)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404275 (10B2) 404276 (10B3)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
404277 (10B4)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
404278 (10B5)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	
404279 (10B6)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
404280 (10B7)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
404281 (10B8)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
404282 (10B9)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404283 (10BA)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
404284 (10BB)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404285 (10BC) 404286 (10BD)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
404287 (10BE)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
404288 (10BF)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
404289 (10C0)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
404290 (10C1)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
404291 (10C2)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
404292 to 404300	03/06/16	R/W	Reserved					

3.4.2.2.16.CH16

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404301 (10CC)	03/06/16	R/W	Parameter Copy	Parameter alarm copy	Refer to CH table.※6	-	-	
404302 (10CD)	03/06/16	R/W	Alarm 1 Type	Alarm 1 operatin type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	1	
404303 (10CE)	03/06/16	R/W	Alarm 1 Reference CH	Alarm 1 reference CH	Refer to CH table.※6	-	-	
404304 (10CF)	03/06/16	R/W	Alarm 1 Option	Alarm 1 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	0	
404305 (10D0) 404306 (10D1)	03/06/16	R/W	Alarm 1 Setting Value	Alarm 1 setting value	F.S of each CH.	Digit	1350.0	
404307 (10D2)	03/06/16	R/W	Alarm 1 Hysteresis	Alarm 1 hysteresis	F.S of each CH.	Digit	0.0	
404308 (10D3)	03/06/16	R/W	Alarm 1 ON Delay	Alarm 1 ON delay time	0 to 3600	Sec	0	
404309 (10D4)	03/06/16	R/W	Alarm 1 OFF Delay	Alarm 1 OFF delay time	0 to 3600	Sec	0	
404310 (10D5)	03/06/16	R/W	Alarm 1 Alarm Number	Alarm 1 alarm number	Refer to alarm CH table.※10	-	0	
404311 (10D6)	03/06/16	R/W	Alarm 1 Save Event	Alarm 1 save event	0: OFF, 1: ON	-	1	
404312 (10D7)	03/06/16	R/W	Alarm 2 Type	Alarm 2 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404313 (10D8)	03/06/16	R/W	Alarm 2 Reference CH	Alarm 2 reference CH	Refer to CH table.※6	-	-	
404314 (10D9)	03/06/16	R/W	Alarm 2 Option	Alarm 2 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404315 (10DA) 404316 (10DB)	03/06/16	R/W	Alarm 2 Setting Value	Alarm 2 setting value	F.S of each CH.	Digit	-	
404317 (10DC)	03/06/16	R/W	Alarm 2 Hysteresis	Alarm 2 hysteresis	F.S of each CH.	Digit	-	
404318 (10DD)	03/06/16	R/W	Alarm 2 ON Delay	Alarm 2 ON delay time	0 to 3600	Sec	-	
404319 (10DE)	03/06/16	R/W	Alarm 2 OFF Delay	Alarm 2 OFF delay time	0 to 3600	Sec	-	
404320 (10DF)	03/06/16	R/W	Alarm 2 Alarm Number	Alarm 2 alarm number	Refer to alarm CH table.※10	-	-	
404321 (10E0)	03/06/16	R/W	Alarm 2 Save Event	Alarm 2 save event	0: OFF, 1: ON	-	-	
404322 (10E1)	03/06/16	R/W	Alarm 3 Type	Alarm 3 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404323 (10E2)	03/06/16	R/W	Alarm 3 Reference CH	Alarm 3 reference CH	Refer to CH table.※6	-	-	
404324 (10E3)	03/06/16	R/W	Alarm 3 Option	Alarm 3 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404325 (10E4) 404326 (10E5)	03/06/16	R/W	Alarm 3 Setting Value	Alarm 3 setting value	F.S of each CH.	Digit	-	
404327 (10E6)	03/06/16	R/W	Alarm 3 Hysteresis	Alarm 3 hysteresis	F.S of each CH.	Digit	--	
404328 (10E7)	03/06/16	R/W	Alarm 3 ON Delay	Alarm 3 ON delay time	0 to 3600	Sec	-	

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404329 (10E8)	03/06/16	R/W	Alarm 3 OFF Delay	Alarm 3 OFF delay time	0 to 3600	Sec	-	
404330 (10E9)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 3 alarm number	Refer to alarm CH table.※10	-	-	
404331 (10EA)	03/06/16	R/W	Alarm 3 Save Event	Alarm 3 save event	0: OFF, 1: ON	-	-	
404332 (10EB)	03/06/16	R/W	Alarm 4 Type	Alarm 4 operation type	0: OFF, 1: PV.Hi, 2: PV.Lo, 3: DV.Hi, 4: DV.Lo, 5: SBA	-	0	
404333 (10EC)	03/06/16	R/W	Alarm 4 Reference CH	Alarm 4 reference CH	Refer to CH table.※6	-	-	
404334 (10ED)	03/06/16	R/W	Alarm 4 Option	Alarm 4 option	0: Normal, 1: Latch, 2: StBy, 3: La+St	-	-	
404335 (10EE) 404336 (10EF)	03/06/16	R/W	Alarm 4 Setting Value	Alarm 4 setting value	F.S of each CH.	Digit	-	
404337 (10F0)	03/06/16	R/W	Alarm 4 Hysteresis	Alarm 4 hysteresis	F.S of each CH.	Digit	-	
404338 (10F1)	03/06/16	R/W	Alarm 4 ON Delay	Alarm 4 ON delay time	0 to 3600	Sec	-	
404339 (10F2)	03/06/16	R/W	Alarm 4 OFF Delay	Alarm 4 OFF delay time	0 to 3600	Sec	-	
404340 (10F3)	03/06/16	R/W	Alarm 3 Alarm Number	Alarm 4 alarm number	Refer to alarm CH table.※10	-	-	
404341 (10F4)	03/06/16	R/W	Alarm 4 Save Event	Alarm 4 save event	0: OFF, 1: ON	-	-	
404342 to 404350	03/06/16	R/W	Reserved					

3.4.3 Option Info.

3.4.3.1 Alarm Output

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404501 (1194)	03/06/16	R/W	Alarm Mark	Alarm Mark	0: OFF, 1: ON	-	1	
404502 (1195)	03/06/16	R/W	Alarm Mark Type	Alarm mark type for alarm ON	0: None, 1: Color, 2: Flash	-	2	
404503 (1196)	03/06/16	R/W	Alarm 1 Color	Alarm 1 display value color	Refer to color table.※4	-	0	
404504 (1197)	03/06/16	R/W	Alarm 2 Color	Alarm 2 display value color	Refer to color table.※4	-	1	
404505 (1198)	03/06/16	R/W	Alarm 3 Color	Alarm 3 display value color	Refer to color table.※4	-	2	
404506 (1199)	03/06/16	R/W	Alarm 4 Color	Alarm 4 display value color	Refer to color table.※4	-	3	
404507 (119A)	03/06/16	R/W	Relay-1	AL1 output method	0: N.O., 1: N.C.	-	0	※11
404508 (119B)	03/06/16	R/W	Relay-2	AL2 output method	0: N.O., 1: N.C.	-	0	※11
404509 (119C)	03/06/16	R/W	Relay-3	AL3 output method	0: N.O., 1: N.C.	-	0	※11
404510 (119D)	03/06/16	R/W	Relay-4	AL4 output method	0: N.O., 1: N.C.	-	0	※11
404511 (119E)	03/06/16	R/W	Relay-5	AL5 output method	0: N.O., 1: N.C.	-	0	※11
404512 (119F)	03/06/16	R/W	Relay-6	AL6 output method	0: N.O., 1: N.C.	-	0	※11
404513 (11A0)	03/06/16	R/W	Relay-7	AL7 output method	0: N.O., 1: N.C.	-	0	※11
404514 (11A1)	03/06/16	R/W	Relay-8	AL8 output method	0: N.O., 1: N.C.	-	0	※11
404515 to 404550	03/06/16	R/W	Reserved					

※11.N.O. means Normally Open, and N.C. means Normal Closed.

3.4.3.2 Digital input

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404601 (11F8)	03/06/16	R/W	DI-1 Type	Digital input 1 type	0: None, 1: Rec/Stop, 2: Alarm Reset, 3: Capture, 4: Alarm ON	-	0	
404602 (11F9)	03/06/16	R/W	DI-1 Status	Digital input 1 operation status	0: Edge, 1: Level	-	0	
404603 (11FA)	03/06/16	R/W	DI-2 Type	Digital input 2 type	0: None, 1: Rec/Stop, 2: Alarm Reset, 3: Capture, 4: Alarm ON	-	0	
404604 (11FB)	03/06/16	R/W	DI-2 Status	Digital input 2 operation status	0: Edge, 1: Level	-	0	
404605 (11FC)	03/06/16	R/W	Relay-1 Alarm Reset	Relay-1 forced alarm reset	0: Disable, 1: Enable	-	0	※12
404606 (11FD)	03/06/16	R/W	Relay-2 Alarm Reset	Relay-2 forced alarm reset	0: Disable, 1: Enable	-	0	※12
404607 (11FE)	03/06/16	R/W	Relay-3 Alarm Reset	Relay-3 forced alarm reset	0: Disable, 1: Enable	-	0	※12
404608 (11FF)	03/06/16	R/W	Relay-4 Alarm Reset	Relay-4 forced alarm reset	0: Disable, 1: Enable	-	0	※12
404609 (1200)	03/06/16	R/W	Relay-5 Alarm Reset	Relay-5 forced alarm reset	0: Disable, 1: Enable	-	0	※12
404610 (1201)	03/06/16	R/W	Relay-6 Alarm Reset	Relay-6 forced alarm reset	0: Disable, 1: Enable	-	0	※12
404611 (1202)	03/06/16	R/W	Relay-7 Alarm Reset	Relay-7 forced alarm reset	0: Disable, 1: Enable	-	0	※12
404612 (1203)	03/06/16	R/W	Relay-8 Alarm Reset	Relay-8 forced alarm reset	0: Disable, 1: Enable	-	0	※12
404613 (1204)	03/06/16	R/W	Relay-1 Alarm On	Relay-1 forced alarm ON	0: Disable, 1: Enable	-	0	※12
404614 (1205)	03/06/16	R/W	Relay-2	Relay-2 forced alarm ON	0: Disable, 1: Enable	-	0	※12

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
			Alarm On					
404615 (1206)	03/06/16	R/W	Relay-3 Alarm On	Relay-3 forced alarm ON	0: Disable, 1: Enable	-	0	※12
404616 (1207)	03/06/16	R/W	Relay-4 Alarm On	Relay-4 forced alarm ON	0: Disable, 1: Enable	-	0	※12
404617 (1208)	03/06/16	R/W	Relay-5 Alarm On	Relay-5 forced alarm ON	0: Disable, 1: Enable	-	0	※12
404618 (1209)	03/06/16	R/W	Relay-6 Alarm On	Relay-6 forced alarm ON	0: Disable, 1: Enable	-	0	※12
404619 (120A)	03/06/16	R/W	Relay-7 Alarm On	Relay-7 forced alarm ON	0: Disable, 1: Enable	-	0	※12
404620 (120B)	03/06/16	R/W	Relay-8 Alarm On	Relay-8 forced alarm ON	0: Disable, 1: Enable	-	0	※12
404621 to 404650	03/06/16	R/W	Reserved					

※12.Set the parameter when DI-□ Type is set as Alarm Reset or Alarm On.

3.4.3.3 Communication

3.4.3.3.1. RS422/485/Ethernet/USB

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404701 (125C)	03/06/16	R	Comm. Address	Communication address	1 to 127	-	1	
404702 (125D)	03/06/16	R	RS422/485 Port	RS422/485 communication use	0: Disable, 1: Enable	-	0	
404703 (125E)	03/06/16	R	Baud Rate	Communicaiton speed (baud rate)	0: 2400, 1: 4800, 2: 9600, 3: 19200, 4: 38400	bps	2	
404704 (125F)	03/06/16	R	Parity Bit	Communication parity bit	0: None, 1: Odd, 2: Even	-	0	
404705 (1260)	03/06/16	R	Stop Bit	Communication stop bit	0: 1, 1: 2	bit	1	
404706 (1261)	03/06/16	R	Response Wait Time	Communication response wait time	5 to 99	ms	20	
404707 (1262)	03/06/16	R	Protocol	Communication protocol	0: Modbus RTU	-	0	
404708 (1263)	03/06/16	R	Comm. Write	Communication write	0: Disable, 1: Enable	-	0	
404709 (1264)	03/06/16	R	Ethernet Port	Ethernet communication use	0: Disable, 1: Enable	-	0	
404710 (1265) 404711 (1266)	03/06/16	R	IP Address	IP address	0.0.0.0 to 255.255.255.255	-	192.168.1.2	
404712 (1267) 404713 (1268)	03/06/16	R	Subnet Mask	Subnet mask	0.0.0.0 to 255.255.255.255	-	255.255.255.0	
404714 (1269) 404715 (126A)	03/06/16	R	Default Gateway	Default gateway	0.0.0.0 to 255.255.255.255	-	192.168.1.1	
404716 (126B)	03/06/16	R	Comm. Write	Ethernet communication write	0: Disable, 1: Enable	-	0	
404717 (126C)	03/06/16	R	USB Device	USB communication use	0: Disable, 1: Enable	-	1	
404718 (126D)	03/06/16	R	USB Comm. Write	USB communication write	0: Disable, 1: Enable	-	1	
404719 to 404750	03/06/16	R	Reserved					

※Communication settings are only available to write.

3.4.4 System Info.

3.4.4.1 Date/Time

No(Address)	Func	R/W	Parameter	Description	Setting range		Unit	Factory default	Note
404801 (12C0)	03/06/16	R/W	Date Setting	Year	2000 to 2099		-	Auto setting	
404802 (12C1)				Month	01 to 12		-		
404803 (12C2)				Day	01 to 31		-		
404804 (12C3)	03/06/16	R/W	Time Setting	Hour	00 to 23		-		
404805 (12C4)				Minute	00 to 59		-		
404806 (12C5)				Second	00 to 59		-		
404807 (12C6)	03/06/16	R/W	Date Type	Date display	0: yyyy/mm/dd, 1: mm/dd/yy, 2: dd/mm/yy		-	0	
404808 (12C7)	03/06/16	R/W	Summer Time Setting	Summer time setting	0: Disable, 1: Enable		-	0	
404809 (12C8)	03/06/16	R/W	Summer Time Start/End	Summer time start time	Month	01 to 12	Month	1	
404810 (12C9)					Day	01 to 31	Day	1	
404811 (12CA)	03/06/16	R/W		Summer time end time	Month	01 to 12	Month	1	
404812 (12CB)					Day	01 to 31	Day	1	
404813 (12CC)	03/06/16	R/W	Summer Time	Summer time applied time	0: -1 hour, 1: -30 min, 2: 30 min, 3: 1 hour		-	3	
404814 to 404850	03/06/16	R/W	Reserved						

3.4.4.2 Reservation

No(Address)	Func	R/W	Parameter	Description	Setting range		Unit	Factory default	Note
404851 (12F2)	03/06/16	R/W	Reservation Type	Reservation recording type	0: Disable, 1: Repeat, 2: Single		-	0	
404852 (12F3)	03/06/16	R/W	Start Date	Reservation recording start date	Year	2000 to 2099	Year	Auto setting	No operation when start time and end time are same.
404853 (12F4)					Month	01 to 12	Month		
404854 (12F5)					Day	01 to 31	Day		
404855 (12F6)	03/06/16	R/W	Start Time	Reservation recording start time	Hour	00 to 23	Hour	Auto setting	
404856 (12F7)					Min	00 to 59	Min		
404857 (12F8)					Sec	00 to 59	Sec		
404858 (12F9)	03/06/16	R/W	End Date	Reservation recording end date	Year	2000 to 2099	Year	Auto setting	
404859 (12FA)					Month	01 to 12	Month		
404860 (12FB)					Day	01 to 31	Day		
404861 (12FC)	03/06/16	R/W	End Time	Reservation recording end time	Hour	00 to 23	Hour	Auto setting	
404862 (12FD)					Min	00 to 59	Min		
404863 (12FE)					Sec	00 to 59	Sec		
404864 to 404900	03/06/16	R/W	Reserved						

3.4.4.3 Device

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404901 (1324)	03/06/16	R/W	Device Name 1	Device name 1	“KR”	-	KRN1000 Recorder	16 characters
404902 (1325)			Device Name 2	Device name 2	“N1”			
404903 (1326)			Device Name 3	Device name 3	“00”			
404904 (1327)			Device Name 4	Device name 4	“0 ”			
404905 (1328)			Device Name 5	Device name 5	“Re”			
404906 (1329)			Device Name 6	Device name 6	“co”			
404907 (132A)			Device Name 7	Device name 7	“rd”			
404908 (132B)			Device Name 8	Device name 8	"er"			
404909 (132C)	03/06/16	R/W	Language	Display langauge	0: English, 1: Korean, 2: Chinese (Simplified), 3: Chinese (Traditional), 4: Russian	-	0	
404910 (132D)	03/06/16	R/W	Power ON Record	Power ON record status	0: Hold, 1: Record, 2: Stop	-	0	
404911 (132E)	03/06/16	R/W	Alarm Sound	Alarm Sound	0: OFF, 1: Min., 2: Standard, 3: Max.	-	2	
404912 (132F)	03/06/16	R/W	Sampling	Internal sampling speed	0: 25, 1: 125, 2: 250	ms	1	25ms is available only for 4CH.
404913 (1330)	03/06/16	R/W	Log Record Speed	Log record speed	1 to 3600	Sec	1	
404914 (1331)	03/06/16	R/W	Backlight	Backlight	0: Min., 1: Standard, 2: Max.	-	1	
404915 (1332)	03/06/16	R/W	Screen Save	Screen save	0: Disable, 1 to 360	Min	0	
404916 (1333)	03/06/16	R/W	Touch Sound	Touch sound	0: OFF, 1: Min., 2: Standard, 3: Max.	-	2	
404917 (1334)	03/06/16	R/W	Graph Speed	Graph Speed	1 to 3600	Sec	1	
404918 to 404950	03/06/16	R/W	Reserved					

3.4.4.4 File

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
404951 (1356)	03/06/16	R/W	Reset Parameters	Reset parameters setting	0: Disable, 1: Enable	-	-	※13
404952 (1357)	03/06/16	R/W	Screen Simulation	Screen simulation	0: Stop, 1: Start	-	0	Simulation starts only when re-power the unit
404953 to 405000	03/06/16	R/W	Reserved					

※13.When parameters are reset, be sure that all system settings also reset.
It is available only when log off status in standard user mode. In case of log in status, the setting is available only when administer user mode.

3.4.4.5 Log In

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
405001 (1388)	03/06/16	R/W	Log In Function	Log in disable/enable	0: Disable, 1: Enable	-	0	Setting is unavailable for standard user mode.
405002 (1389)	03/06/16	R/W	Activate Administer Mode	Log in administer mode	0000 to 9999	-	0000	Setting is available only for standard user mode.
405003 (138A)	03/06/16	R/W	Change Password	Change password for administer mode log in	0000 to 9999	-	0000	Setting is available only for administer mode.
405004 (138B)	03/06/16	R/W	Display	Display adjustment permission	0: Unlock, 1: Lock	-	0	Setting is available only for administer mode.
405005 (138C)	03/06/16	R/W	Status	Status adjustment permission	0: Unlock, 1: Lock	-	0	Setting is available only for administer mode.
405006 (138D)	03/06/16	R/W	Input CH Info.	Input CH info. adjustment permission	0: Unlock, 1: Lock	-	0	Setting is available only for administer mode.
405007 (138E)	03/06/16	R/W	Option Info.	Option info. adjustment permission	0: Unlock, 1: Lock	-	0	Setting is available only for administer mode.
405008 (138F)	03/06/16	R/W	System Info.	System info. adjustment permission	0: Unlock, 1: Lock	-	0	Setting is available only for administer mode.
405009 (1390)	03/06/16	R/W	Memory Info.	Memory info. adjustment permission	0: Unlock, 1: Lock	-	0	Setting is available only for administer mode.
405010 to 405050	03/06/16	R/W	Reserved					

※Administer permission is not managed by each communication. When changing standard user mode to administer mode via communication, KRN1000 setting is also changed as administer mode.

3.4.5 Memory Info.

3.4.5.1 Memory Management and Internal Memory

No(Address)	Func	R/W	Parameter	Description	Setting range	Unit	Factory default	Note
405101 (13EC)	03/06/16	R	Internal Memory	Internal memory available space %	0 to 100	%	-	
405102 (13ED)	03/06/16	R	USB Memory	USB available space %	-1, 0 to 100	%	-	Uninstalled: -1
405103 (13EE)	03/06/16	R	SD Memory	SD available space %	-1, 0 to 100	%	-	Uninstalled: -1
405104 (13EF)	03/06/16	R/W	Storage Memory	Storage media select	0: Internal memory, 1:USB, 2: SD	-	0	
405105 (13F0)	03/06/16	R/W	Internal Memory Storage Options	Internal memory storage options	0: Stop, 1: Overwrite	-	1	
405106 (13F1)	03/06/16	R/W	No. of Events	No. of max. events saving	0 to 200	Numbers	100	
405107 (13F2)	03/06/16	R/W	No. of Alarms	No. of max. alarms saving	0 to 200	Numbers	100	
405108 (13F3)	03/06/16	R/W	No. of Screen Captures	No. of max. screen captures saving for internal memory	0 to 20	Numbers	10	No limited at USB, SD memory.
405109 to 405150	03/06/16	R/W	Reserved					

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* Dimensions or specifications on this manual are subject to change and some models may be discontinued without notice.