

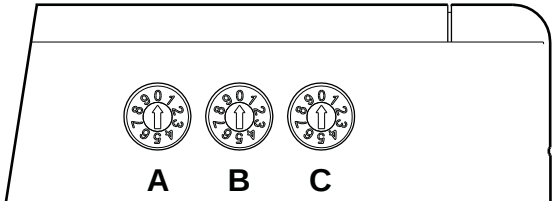


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SP2191 1.01AB7329www.anybus.com

Side View



Baud Rate (Switch A)

Position	Baud rate	Position	Baud rate
0	20 kbit/s	5	800 kbit/s
1	50 kbit/s	6	1 Mbit/s
2	125 kbit/s	7	Auto
3	250 kbit/s	8	(reserved)
4	500 kbit/s	9	(reserved)

Node Address (Switches B and C)

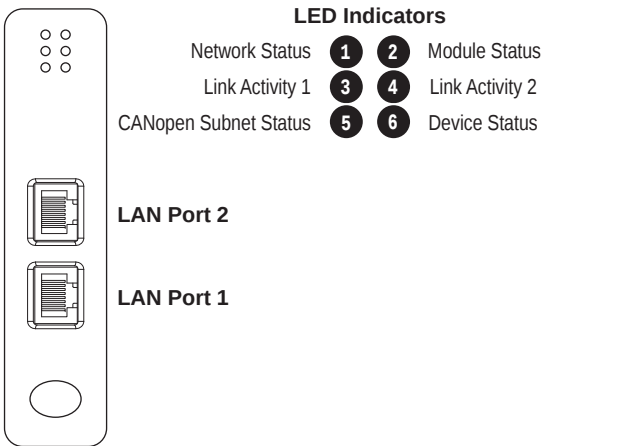
Set the CANopen node address by using the switches as follows:
Node address = (switch B * 10) + (switch C * 1)

Example:
Setting node address = 42

4

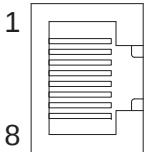
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Front View



LAN Connector (RJ-45)

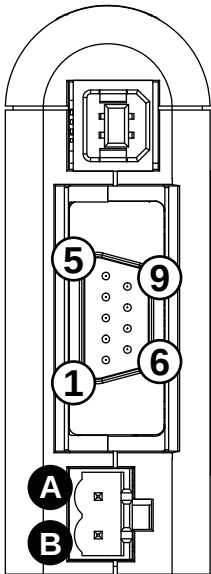
Pin	Description
1	TD+
2	TD-
3	RD+
6	RD-
4, 5, 7, 8	(reserved)



Bottom View

USB Connector
Connect to PC

Power Connector
A. +24 V DC
B. GND



CANopen Connector

- (reserved)
- CAN_L
- CAN_GND
- (reserved)
- Shield
- CAN_GND
- CAN_H
- (reserved)
- (reserved)

LED Indicators

LED	Indication	Meaning
1 – Network Status	Off	Offline - No power - No connection with IO Controller
	Green	Online (RUN) - Connection with IO Controller
	Green, 1 flash	Online (STOP) - Connection with IO Controller - IO Controller in STOP state or IO data bad - RT synchronization not finished
	Green, blinking	Node identification (see manual)
	Red	Fatal error
	Red, 1 flash	Station name error
	Red, 2 flashes	IP address error
	Red, 3 flashes	Configuration error
	Alternating red/green	Firmware update in progress
	Off	No power or initializing
2 – Module Status	Green	Normal operation
	Green, 1 flash	Diagnostic event present
	Red	Fatal error
	Alternating red/green	Firmware update in progress
3/4 – Link Activity	Off	Link not detected or no power
	Green	Link OK
	Green, flickering	Transmitting/receiving data

LED Indicators (continued)

LED	Indication	Meaning
5 – CANopen Subnet Status	Off	No power
	Flickering red/green	LSS services in progress
	Green	Operational state
	Green, 1 flash	Stopped state
	Green, blinking	Pre-operational state
	Red	Bus off
	Red, 1 flash	Warning limit reached
	Red, 2 flashes	Error control event
	Red, 3 flashes	Sync error
	Red, 4 flashes	Data communication timeout
6 – Device Status	Red, blinking	Configuration error
	Off	No power or initializing
	Green	Running
	Green, 1 flash	Bootup
	Red	Fatal error
	Red, 1 flash	Initialization error
	Red, 2 flashes	Timeout error
	Red, 3 flashes	Hardware failure
	Red, 4 flashes	General error

Accessories Checklist

The following items are required for installation:

- Anybus Configuration Manager - CANopen (available at www.anybus.com)
- CANopen adapter for configuration tool (not included)
- CANopen cable (not included)
- Ethernet cable (not included)
- EDS file for CANopen (available at www.anybus.com)
- GSD file for PROFINET IRT (available at www.anybus.com)
- PROFINET configuration tool (not included)

Installation and Startup Summary

- Mount the gateway on the DIN rail.
- Select baud rate and an unused node address for the interface. Cover the switches with the enclosed switch covers (required for EMC compliance).
- Connect the gateway to the CANopen network.
- Install the EDS file in the CANopen configuration tool.
- Power up and (if required) configure the module.
- Restart the module after the CANopen interface has been configured.
- Connect the gateway to the PROFINET network.
- Install the GSD file in the PROFINET configuration tool.
- Power up and (if required) configure the module.

The gateway will start up as a CANopen slave. It can be reconfigured as a CANopen master during configuration.

Technical Data

- Power supply:
24 V DC ±10 %
- Power consumption:
250 mA @ 24 V DC (maximum)
100 mA @ 24 V DC (typical)
- Protective Earth (PE):
Connection to PE via DIN rail

Make sure that the DIN rail is properly connected to PE!

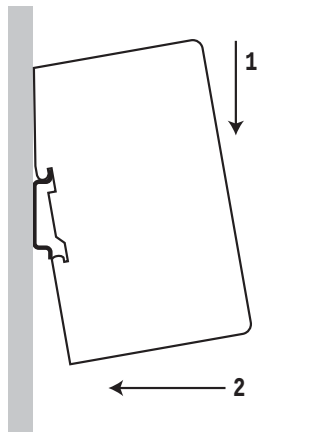
CANopen Support

Technical questions regarding the CANopen fieldbus system should be addressed to CAN in Automation (CiA) at www.can-cia.org

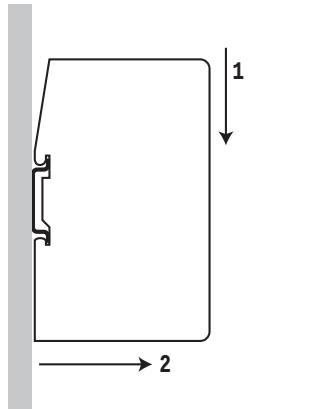
PROFINET Support

Technical questions regarding the PROFINET fieldbus system should be addressed to your local PROFINET user group.
www.profibus.org

DIN Rail Mounting



To mount the gateway on a DIN rail, first press it downwards (1) to compress the spring in the rail mechanism, then push it against the rail as to make it snap on (2).



To dismantle the gateway, push it downwards (1) and pull it out from the rail (2).

EMC Compliance (CE)



This product is in accordance with the EMC directive 2014/30/EU through conformance with the following standards:

- EN 61000-6-4 (2007)**
Emission standard for industrial environment
EN 55016-2-3, Class A (2010)
EN 55022, Class A (2011)
- EN 61000-6-2 (2005)**
Immunity for industrial environment
EN 61000-4-2 (2009)
EN 61000-4-3 (2006)
EN 61000-4-4 (2012)
EN 61000-4-5 (2014)
EN 61000-4-6 (2014)

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