

DPOM8-24/20

DIN rail PoM power supply & repeater



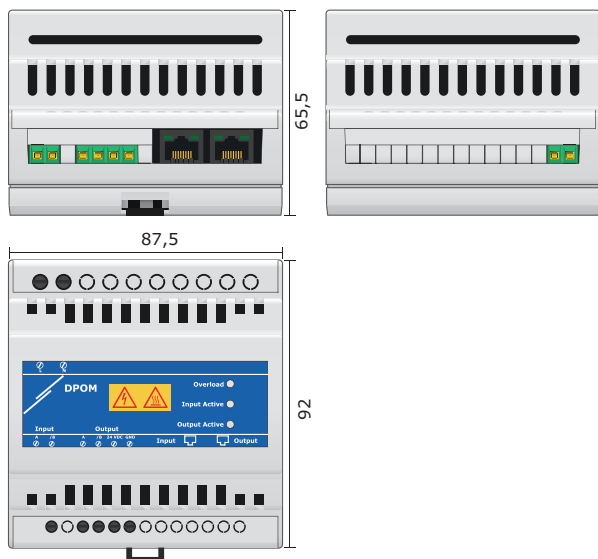
DPOM8-24/20 is a DIN rail mountable Power over Modbus supply module with a 24 VDC output and an integrated and fully isolated Modbus RTU communication line repeater. This module has an indicator which shows when the device is actively transmitting data. The DPOM8 can also be used as a power supply module for Sentera sensors and switches.

Key features

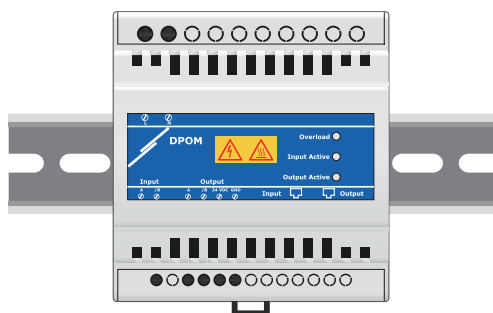
- Power over Modbus module with 24 VDC / 20 W integrated power supply
- Galvanic isolated half-duplex mode repeater for Modbus RTU communication
- Input and output connections with terminal blocks or an RJ45 connector
- Overload hiccup mode protection with red LED indications
- Asynchronous serial data transmission
- Input and output transmission with green LED indication
- Automatic baud-rate fitting up to 115,2 Kbps
- Distance up to 1.200 m
- Up to 32 modules can be connected to the DPOM8
- DIN rail mounting
- Enclosure: ABS plastic, colour: grey, RAL7035



Fixing and dimensions



DIN-rail mounting



Technical specifications

Output	24 VDC / 20 W	
Supply voltage	85–264 VAC / 50–60 Hz	
Protection standards	IP20	
Ambient conditions	Temperature	-20–40 °C
	Relative humidity	5–85 % rH, non-condensing

Wiring and connections

L	Supply voltage, Line
N	Supply voltage, Neutral
24 VDC	Power supply 24 VDC / 20 W
GND	Ground reference for power supply
A	Modbus RTU (RS485), signal A
/B	Modbus RTU (RS485), signal /B
Input	Modbus RTU communication RJ45 socket. (No integrated 24 VDC on this port)
Output	Power over Modbus communication RJ45 socket. (Modbus RTU + 24 VDC)

ATTENTION!

- When connecting longer lines, use the lowest possible baud rate.
- The input terminal blocks duplicate the input RJ45 socket.
- The output terminal blocks duplicate the output RJ45 socket.

Standards

- Low Voltage Directive 2014/35/EU
- EMC Directive 2014/30/EU



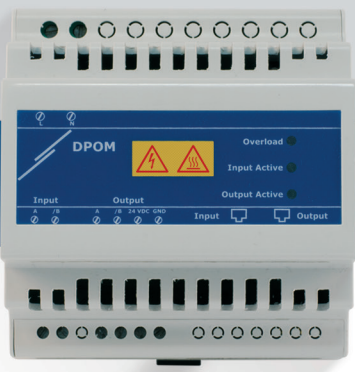
- Commission Delegated Directive (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances

Global trade item numbers (GTIN)

Packaging	DPOM8-24-20
Unit	05401003001479
Box	05401003500354

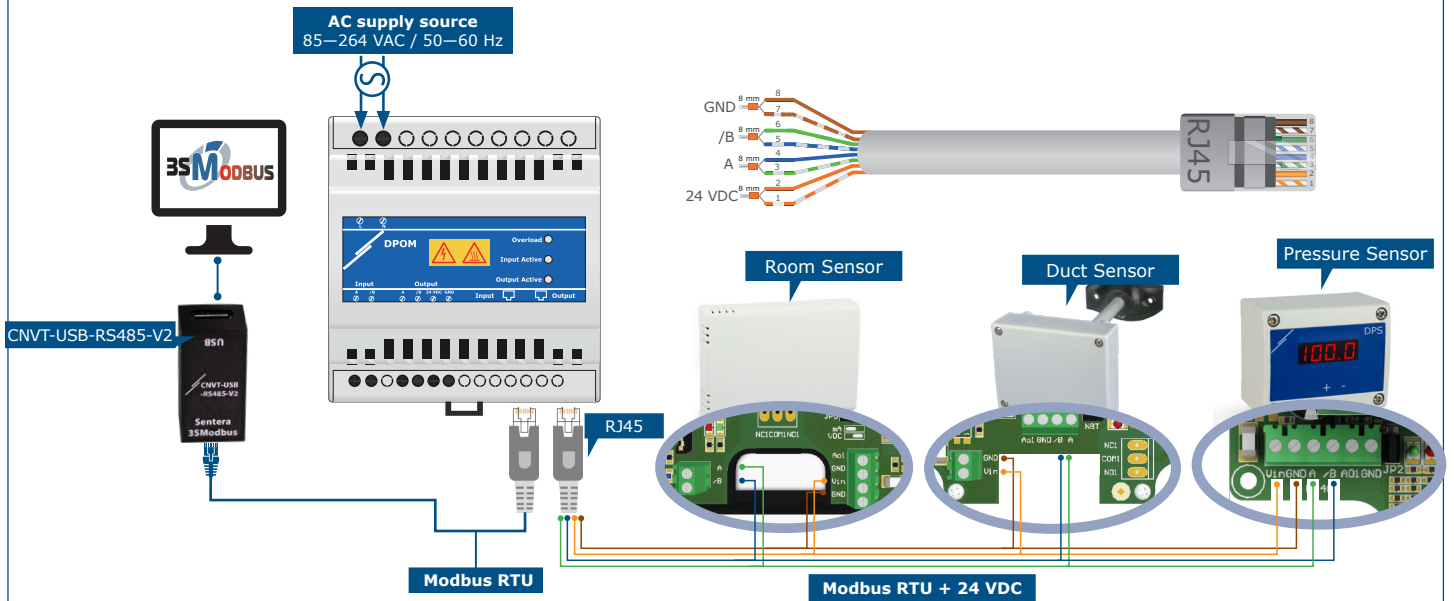
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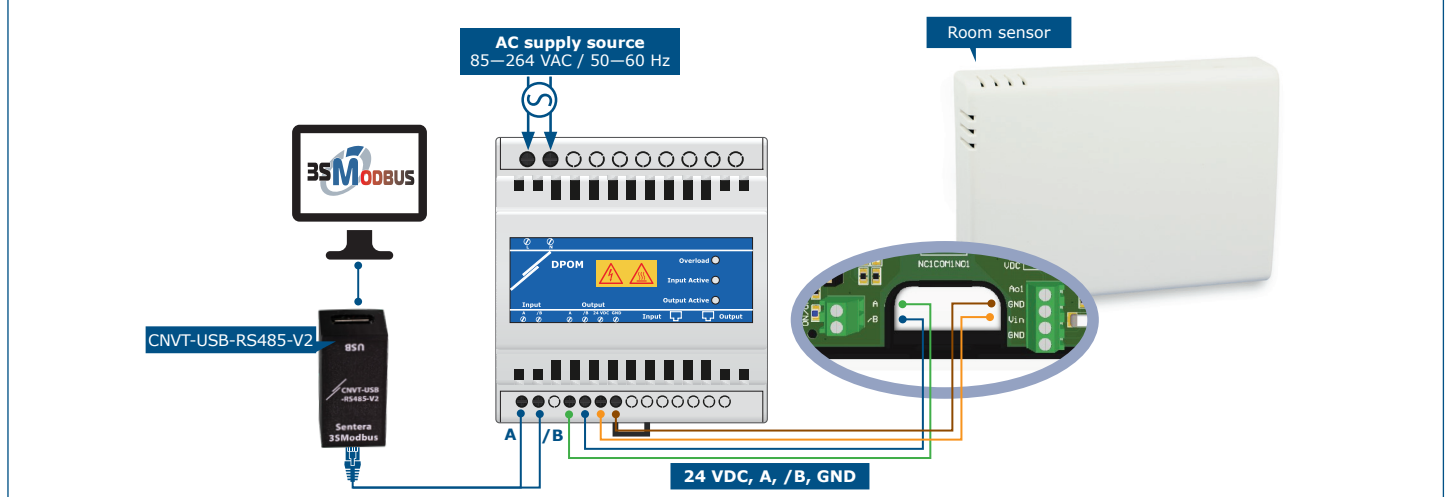


Application example

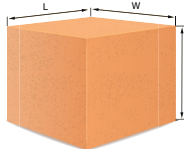
Example 1: Connections via RJ45 connector



Example 2: Connections via terminal block



Packaging



Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
DPOM8-24-20	Unit (1 pc.)	95	90	85	0,175 kg	0,306 kg
	Box (36 pcs.)	590	380	280	6,30 kg	11,92 kg