

DLMS to Modbus Converter

Features

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Features



Key Features

- Supports reading of Cumulative Parameters, Insta Voltage and Current Values and Meter Serial No.
- RS485/RS232/Optical DLMS to RS485 Modbus converter
- 24V DC Input
- Modbus RS-485 Protocol Interface
- Convenient address selection rotatory switch from 1 – 99 Address for modbus
- Complete range of configurable baud rate settings supported for modbus
- Din Rail mounting
- Product Dimensions – 40mm x 110mm x 80mm (L x W x H)

Ordering Information

Product Code	Description
UPC-DLMS-RS485	DLMS to Modbus Converter
SPD-RS485	Surge Protection Device RS485
UC-RS485	USB to RS485 Converter
UC-ETH-RS485	Ethernet to RS485 Converter
SPD-24V-DC	Surge Protection Device 24V DC SPD

Applications

- **Industrial Automation & Process Control:** Reliable signal interfacing and device connectivity across automated production lines.
- **SCADA & PLC Integration:** Seamless communication between field instrumentation and control systems.
- **Control Panel Building:** Compact 35 mm DIN rail mounting for clean and space-efficient cabinet wiring.
- **OEM Equipment & Diagnostics:** Robust electrical protection and standard industrial ratings.

Specifications

Parameter	Value
Mounting Type	35 mm DIN Rail Mounting
Dimensions	60 mm x 50 mm x 20 mm (L x W x H)
Enclosure Material	Industrial ABS plastic
Operating Temperature	−10 °C to +60 °C
Storage Temperature	−40 °C to +85 °C
Relative Humidity	5% to 95% RH (non-condensing)

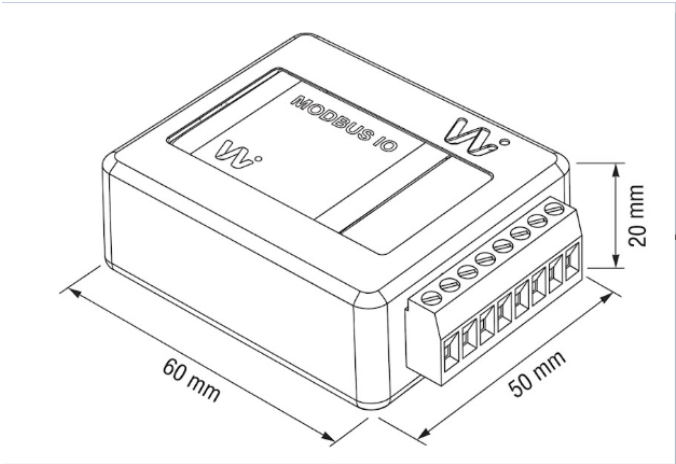
Electrical Specifications

Parameter	Specification
Supply Voltage	24V DC
Power Consumption	< 2.0 W @ 24V DC
Isolation Voltage	1,500 V RMS galvanic isolation

Communication Interface

Port	Physical Layer	Protocol	Description
Meter Port	Optical / RS-232 / RS-485	DLMS / COSEM	Communicates with energy meters
PLC / SCADA Port	RS-485 2-Wire	Modbus RTU Slave	Exposes mapped meter data

Mechanical Dimensions



Terminal Details & Wiring

Screw terminal blocks for 24V DC supply, Modbus RS-485 A/B, and meter communication lines.

Revision History

Revision	Date	Description of Change
Rev 1.0	2026-09-09	Initial datasheet release for UPC-DLMS-RS485

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Support

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