

Enapter ENP-RS485 Module Datasheet



RS-485 Module

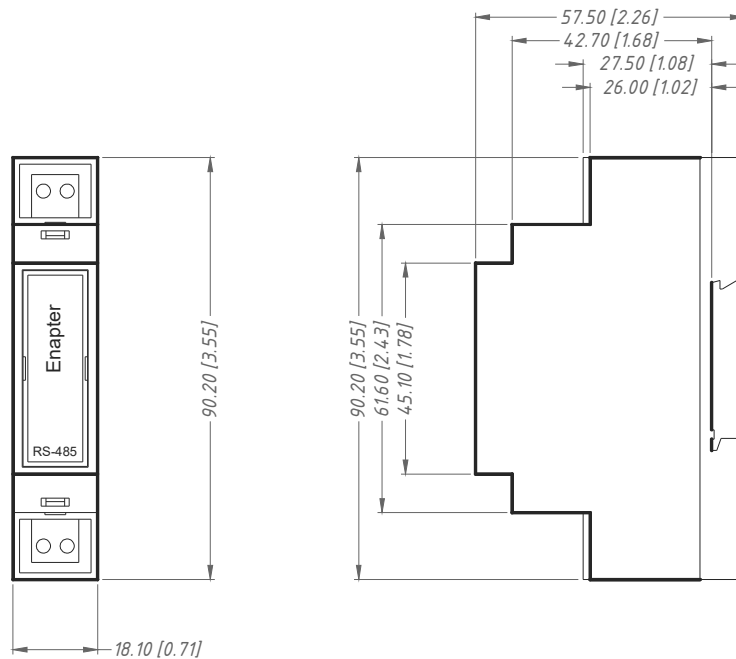
The RS-485 Module is used to read data from devices such as inverters, ventilation systems, valves, irradiance sensors, power meters and others. The RS-485 Module sends the collected data to the Enapter Gateway and Cloud via secure wireless connection.

Connected device

Type	Inverter Ventilation system Valve Irradiance sensor Power meter and others
Voltage supply	9...60 V DC when module and device powered from shared power supply
Connection	2-pin screw terminal block

Dimensions

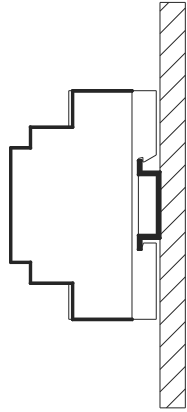
The dimensions are in mm and in brackets in inch.



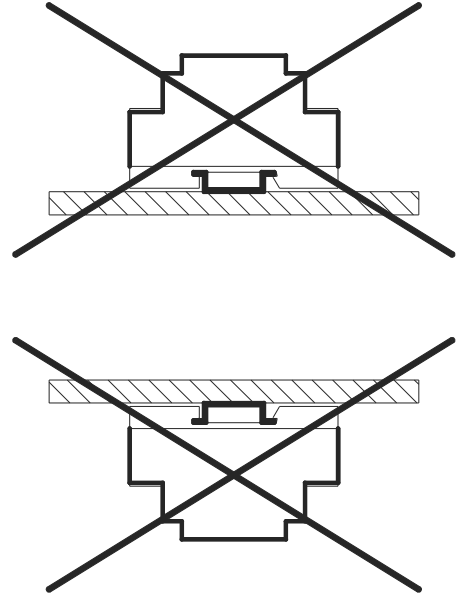
Mounting

The ENP-RS485 Module must be horizontally mounted on 35 mm DIN rail according to IEC 60715.

Correct Mounting Position



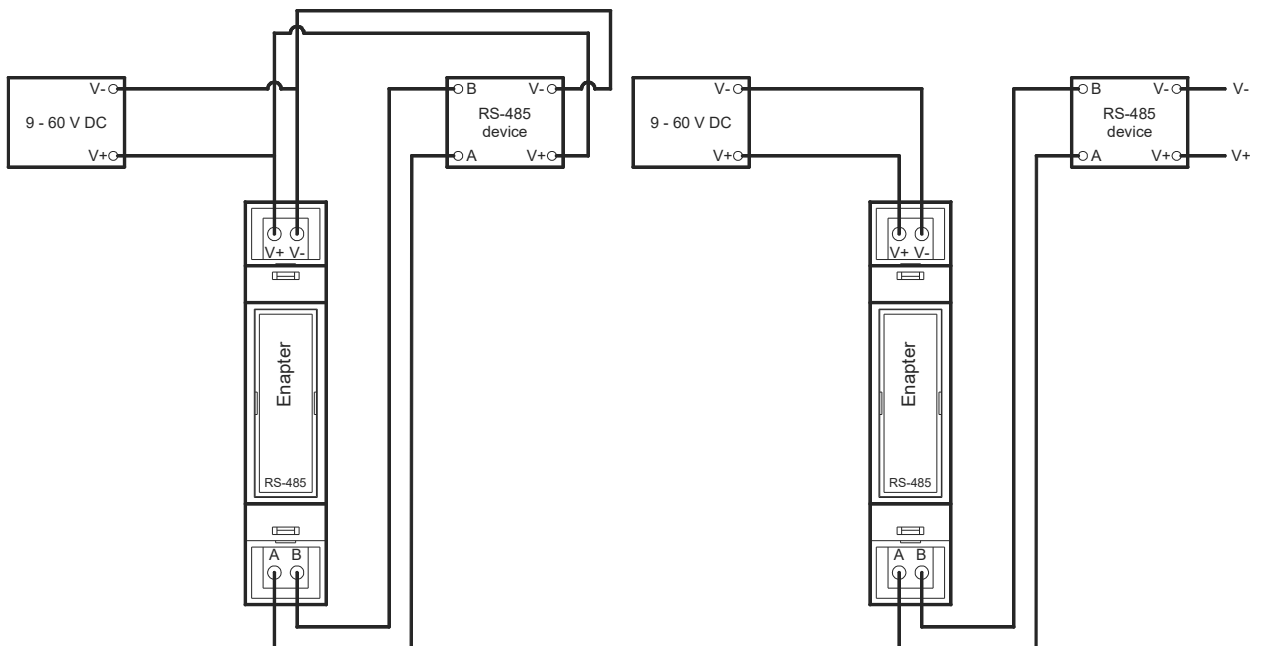
Incorrect Mounting Position



Connection Examples

Module and device powered from shared power supply.

Module and device powered from independent power supplies.



Note: 1 Amp Circuit Breaker recommended to use on power line for the ENP-RS485 Module.

Standards

Wi-Fi protocols – 802.11 b/g/n/e/i (802.11n up to 150 Mbit/s).

Bluetooth protocols – Bluetooth v4.2 BR/EDR and BLE specification.

Warnings



Alternating current voltage of 110 – 220 V is potentially lethal!



All works on assembly and installation should be performed only with a disconnected power supply!



The installation and assembly of electrical equipment must be carried out by electrically qualified persons.

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