

# RS485 Data Repeater

ITEM NO.: RS001R



The RS001R is designed to extend the RS485 beyond the 1200 meters limitation, or whenever there is a need to "boost" the RS485 signal. It could works 32 multi-drop RS-485 LAN configuration. In a half-duplex multi-drop environment all RS-485 nodes share the same data lines. A single pair of data lines act as both transmit and receive wires.

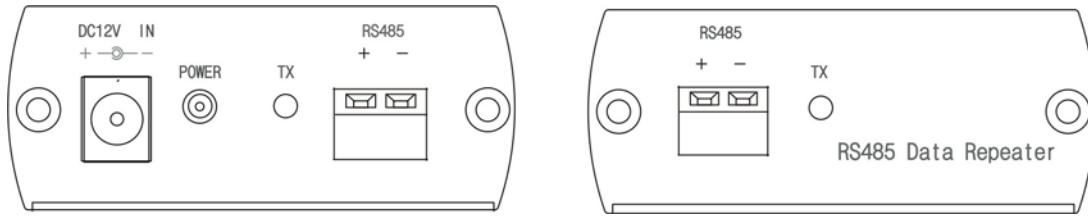
## RS001R RS485 Data Repeater

- Repeater from RS485 data signal to RS485 up to 1200 meters.
- Plug in screw terminal block for easy wiring.
- Power input from DC jack.
- Auto detected Baud rate maximum up to 115.2 Kbps.
- Red Led: Power/RX
- Built in 2.5KV isolation protection.
- Surge protection.

## Installation View:



## Panel View:



Note: When using RS001R the responding RS-485 device must wait for the auto transmit enable to revert back to the receive state. If the responding RS-485 device transmits a packet back less than one byte time after the end of the packet, then there is possibility of a data collision on the RS-485 interface.

## Specification:

ITEM NO.	RS001R
DATA Input	RS485 (Terminal Block)
DC Input Voltage	+10 ~20V
Power Supply	DC12V 500mA
Max. Power Consumption	100mA
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%
Material	Metal Black
Dimension W x H x D mm	67 x 87 x 27
Weight g	130

## RELATED PRODUCTS:

- RS001: RS232 TO RS485 Converter.
- RS004: Serial Data Distributor 1 In 4 Out
- RS008: Serial Data Distributor 1 In 8 Out
- RS016: Serial Data Distributor 1 In 16 Out



Rev. B