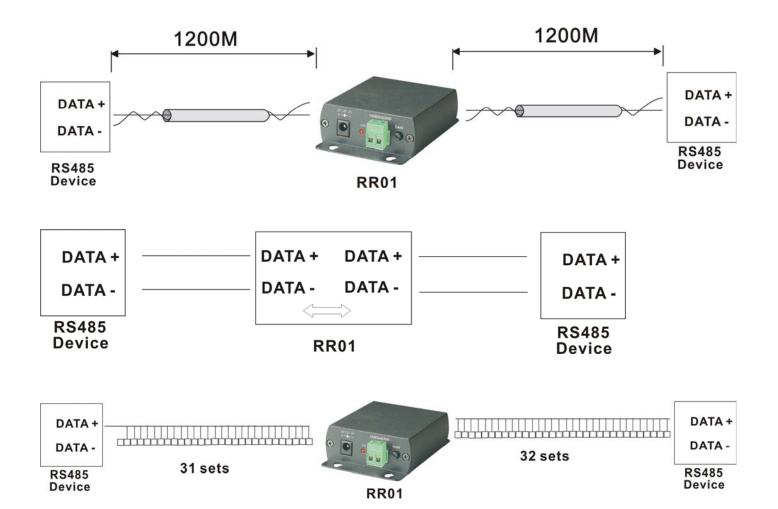| RS485 Data Repeater |
|---|

ITEM NO.: RR01

The RR01 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 RS485 LAN configuration. In a half-duplex multi-drop environment all RS485 nodes share the same data lines. A single pair of data lines act as both transmits and receives wires.
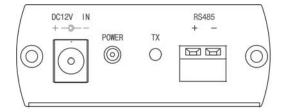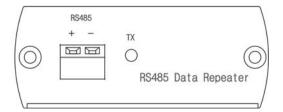
RR01 RS485 Data Repeater
- Repeater from RS485 data signal to RS485 up to 1200 meters.
- Plug in screw terminal block for easy wiring.
- Power input from DC jack.
- Auto detected Baud rate maximum up to 115.2 Kbps.
- Red Led: Power/RX
- Built in 2.5KV isolation protection.
- Surge protection.

Installation View:

Panel View:

Note: When using RR01 the responding RS485 device must wait for the auto transmit enable to revert back to the receive state.   If the responding RS485 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 RS485 interface.

Specification:

ITEM NO.	RR01
DATA Input	RS485 (Terminal Block)
DC Input Voltage	+10 ～20V
Power Supply	DC12V
Power Consumption	350mA
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%
Dimension W x H x D mm	88 x67 x 27.5
Weight g	120
Material	Metal Black