

# RS232 TO RS422/485 Bi-Directional Converter

**ITEM NO.: RS002, RS002I**



## RS002 RS232 to RS485/RS422 Bi-Directional Converter

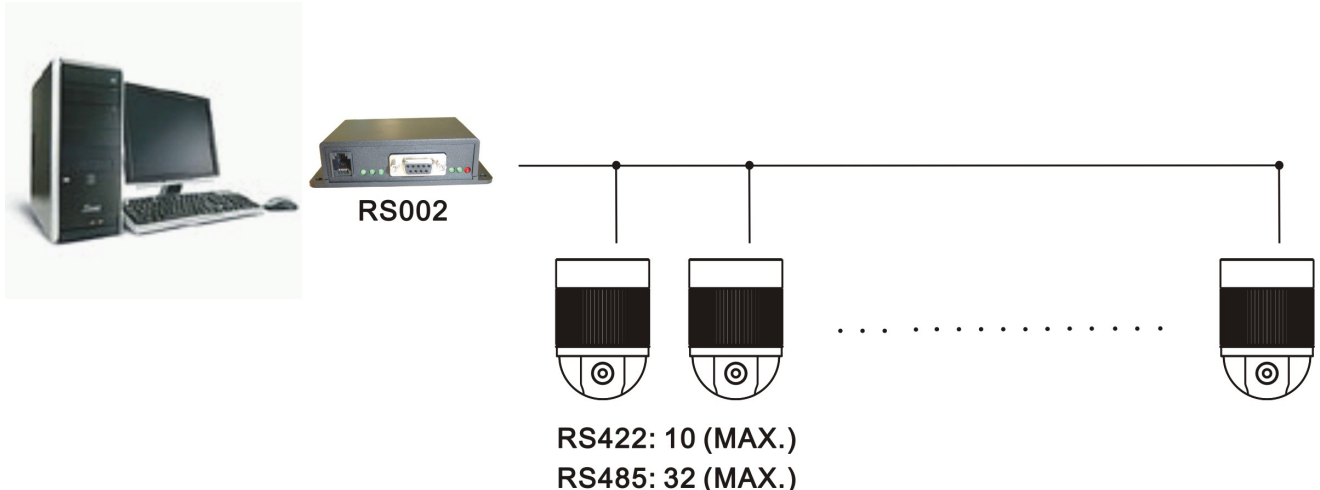
### Features:

- RS232 Input option: DB9 or RJ11.
- RS485/RS422 output option: terminal or RJ11.
- RS232 to RS485 or RS232 to RS422 conversion.
- Four full Duplex wires; two half duplex wires.
- Switch setting for full duplex or half duplex operation.
- Auto Baud Rate Sensing.
- Supports transfer speeds of up to 115.2Kbps.
- Extends up to 1200 meters (under 100Kbps).
- Support up to 32 units to be set in RS-485 multi drop installations.
- LEDES indications for power and signal status monitoring.
- Over current protection when 2 signals are shortened together at the RS422/485 end.
- Surge Protection 16KV ESD.
- Built in termination resistors.
- Power supply included.

## RS002I RS232 to RS485/RS422 Bi-Directional Converter-Isolation

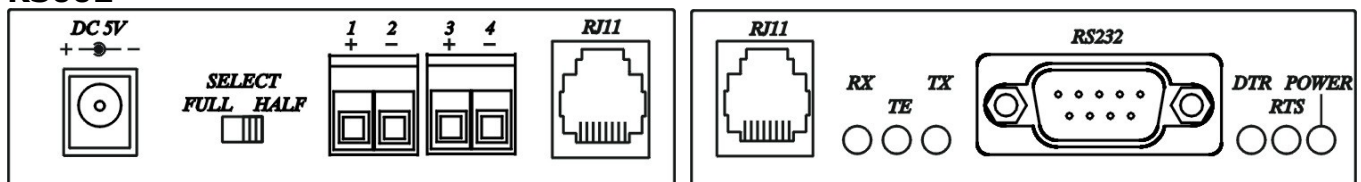
- Identical same as RS002, but without RJ11 output and built in 3KV isolation protection.

### Installation View:

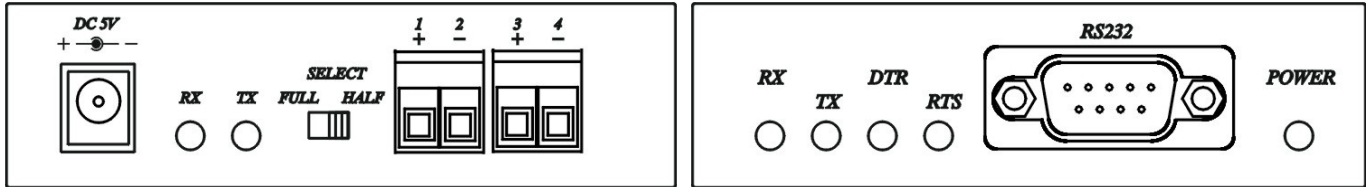


### Panel View:

#### RS002

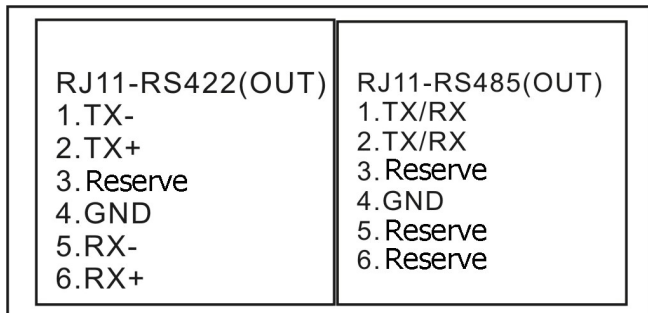
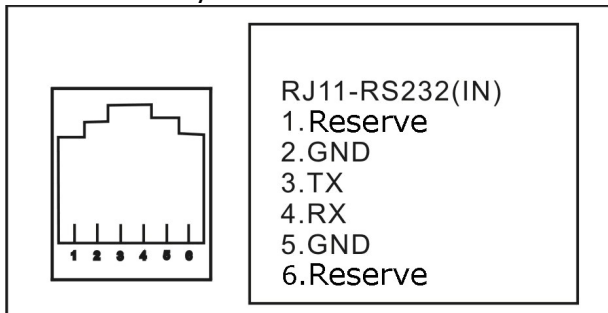


# RS002I



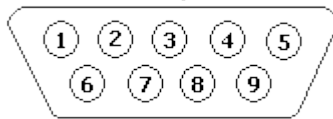
<i>duplex</i>	<i>st</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
	<i>FULL</i>	<i>T+</i>	<i>T-</i>	<i>R+</i>	<i>R-</i>
	<i>HALF</i>	<i>T/R+</i>	<i>T/R-</i>	<i>X</i>	<i>X</i>

## RS002 RJ11/12



PIN 1	DCD	Data Carrier Detect
PIN 2	RXD	Receive Data
PIN 3	TXD	Transmit Data
PIN 4	DTR	Data Terminal Ready
PIN 5	GND	Chassis Ground
PIN 6	DSR	Data Set Ready
PIN 7	RTS	Request to Send
PIN 8	CTS	Clear to Send
PIN 9	RI	Ring Indicator

RS232 DB9 (EIA/TIA 574)



(view into male end)

## Specification:

ITEM NO.	RS002	RS002I
RS232 Input	RJ11/12 Connector or DB9.	DB9
RS485/422 Output	Terminal or RJ11/12 Connector	Terminal
Signal Output	2-wire half-duplex RS485 or 4-wire full-duplex RS485/RS422	4-wire full-duplex RS485/RS422
LEDS	Power(RED), TX-485(GRN), TX-RS232(GRN), RX-RS232(GRN), DTS(GRN), RTS(GRN)	Power(RED), TX-485/422(GRN), RX-1422(GRN), TX-RS232(GRN), RX-RS232(RED), DTS(GRN), RTS(GRN)
Transmission Range	1.2km	
Data Rate	Up to 115.2Kbps	
Temperature	Operation: 0 ~ 55°C, Storage: -20 ~ 85°C, Humidity: up to 95%	
Max. Power Consumption	300mA	
Power Supply	DC5V 500mA Regulated	
Dimension W x H x D mm	108x78.6x27	
Weight g	90	

