RS232 TO RS422/485 Bi-Directional Converter

ITEM NO.: RS002, RS002I





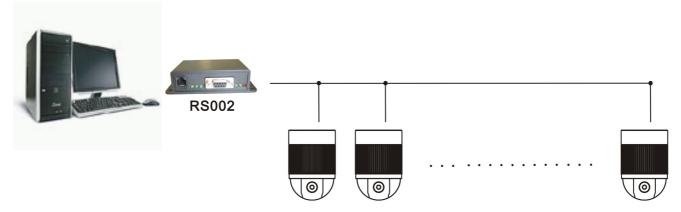
RS002 RS232 to RS485/RS422 Bi-Directional Converter Features:

- 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.
- LEDS 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

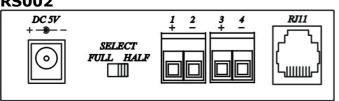
 Identical same as RS002, but without RJ11 output and built in 3KV isolation protection.

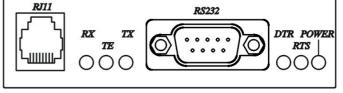
Installation View:



RS422: 10 (MAX.) RS485: 32 (MAX.)

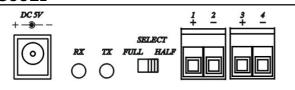
Panel View: RS002

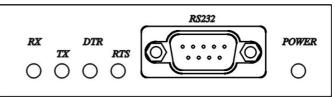




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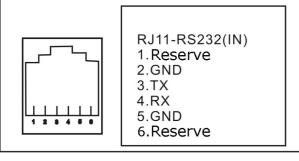
RS002I





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

RS002 RJ11/12



RJ11-RS422(OUT)	RJ11-RS485(OUT)
1.TX-	1.TX/RX
2.TX+	2.TX/RX
3.Reserve	3. Reserve
4.GND	4.GND
5.RX-	5. Reserve
6.RX+	6. Reserve

RS232 PIN Assignment				
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) 1 2 3 4 5 6 7 8 9 (view into male end)

Specification:

wire full-duplex RS485/RS422	ITEM NO.	RS002	RS002I	
Signal Output 2-wire half-duplex RS485 or 4-wire full-duplex RS485/RS422 LEDS Power(RED), TX-485(GRN), TX-RS232(GRN), RX-RS232(GRN), DTS(GRN), RTS(GRN), TX-RS232(GRN), DTS(GRN), RTS(GRN) Transmission Range Data Rate Data Rate Up to 115.2Kbps Temperature Operation: 0 ~ 55°C, Storage: -20 ~ 85°C, Humidity: up to 95% Max. Power Consumption Power Supply A-wire full-duplex RS485/RS42 4-wire full-duplex RS485/RS42 Power(RED), TX-485/422(GRN), RX-1422(GRN), RX-1422(GRN	RS232 Input	RJ11/12 Connector or DB9.	DB9	
wire full-duplex RS485/RS422	RS485/422 Output	Terminal or RJ11/12 Connector	Terminal	
RS232(GRN),RX- RS232(GRN),DTS(GRN),RTS(GR RS232(RED),DTS(GRN),RTS(GRN) Transmission Range 1.2km Data Rate Up to 115.2Kbps Temperature Max. Power Consumption Operation: 0 ~ 55°C, Storage: -20 ~ 85°C, Humidity: up to 95% Max. Power Supply DC5V 500mA Regulated	Signal Output	· ·	4-wire full-duplex RS485/RS422	
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	LEDS	RS232(GRN),RX- RS232(GRN),DTS(GRN),RTS(GR	Power(RED), TX-485/422(GRN), RX- 1422(GRN), TX-RS232(GRN), RX- RS232(RED),DTS(GRN),RTS(GRN)	
Temperature Operation: 0 ~ 55°C, Storage: -20 ~ 85°C, Humidity: up to 95% Max. Power Consumption 300mA Power Supply DC5V 500mA Regulated	Transmission Range	1.2km		
Max. Power Consumption 300mA Power Supply DC5V 500mA Regulated	Data Rate	Up to 115.2Kbps		
Power Supply DC5V 500mA Regulated	Temperature	Operation: 0 ~ 55°C, Storage: -20 ~ 85°C, Humidity: up to 95%		
	Max. Power Consumption	300mA		
Dimension W x H x D mm 108x78.6x27	Power Supply	DC5V 500mA Regulated		
	Dimension W x H x D mm	108x78.6x27		
Weight g 90		90		