

CONV – 485 M RS 232 TO RS 485 / RS 422 CONVERTER

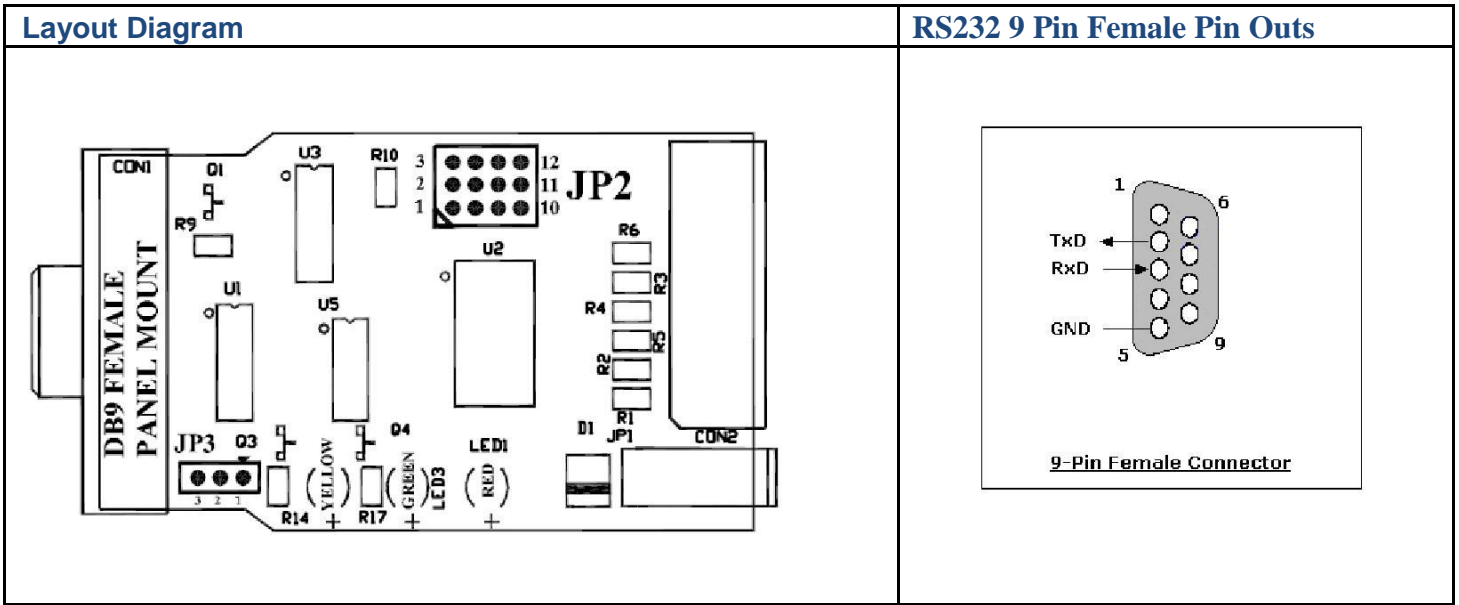


Specifications

Maximum number of drivers	256
Maximum number of receivers	256
Maximum cable length (RS485)	1220 meters
Maximum cable length (RS232)	15 meters
Baud rate	300 to 115200 bps. Can supports higher speed for shorter distances
LED Indication	Transmit Data, Received Data and Power ON
Power supply	Powered from External Adaptor with 5 V DC at 300 mA.
Signal Isolation	Provides optical isolation to serial port signals
Power Isolation	>3000 V Isolation between the RS 485 and RS 232.
Dimensions	72 mm (L) x 43 mm (W) x 21 mm (H)
Operating Temperature Range	0° C to 70° C

LED Indications

LED	Function	Description
TXD	Transmit Data.	This LED lights up whenever there is Data to be transferred from RS 485 side to Serial and remains OFF when there is no data transfer activity.
RXD	Received Data	This LED lights up whenever there is any incoming data from the Serial to RS 485 side. Remains OFF when there is no activity.
POWER	Power ON	This LED remains ON when the Unit receives power and indicates that the unit is Functional and ready to send and receive Data.



RS 485 5 Pin Screw Connector End			
Pin	Signal	RS 485 2 Wire	RS 422 4 Wire
1	TX+	Short with pin 3 (TX + & RX +)	TX +
2	TX-	Short with pin 4 (TX - & RX -)	TX -
3	RX+		RX +
4	RX-		RX -
5	Ground	(Optional)	(Optional)
RS 485 and RS 422 selection			
Jumper		RS 485	RS 422
JP2		1 & 2, 4 & 5	2 & 3, 5 & 6
JP3		2 & 3	1 & 2
Termination Selection			
Termination 130 Ohms		Jumper JP2 With Termination	Jumper JP2 Without Termination
RS 485		7 & 8	8 & 9
RS 422		7 & 8, 10 & 11	8 & 9, 11 & 12

Note: Power Supply for CONV-485M has a Mini Power Jack adjacent to 5 Pin Screw Terminal Connector which can take in 5 V DC Voltage from the supplied Power Adaptor. The maximum Current required for this device is 300 mA. We can also offer Power Adaptor which can take in 12 V DC to 24 V DC and give 5 V DC output for the convertor optionally.

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