SS 487

RS-232 to RS-485 converter

Features and Benefits

- Terminal block for easy wiring
- Power input from power jack and terminal block
- RS-485 automatic Direction Control
- Transmit and receive LED indicators

Introduction

The SS487 and SS488 media converters provide complete signal conversion between RS-232 and RS-485. The converters support half-duplex 2-wire RS-485 which can be converted between RS-232's TxD and RxD lines.

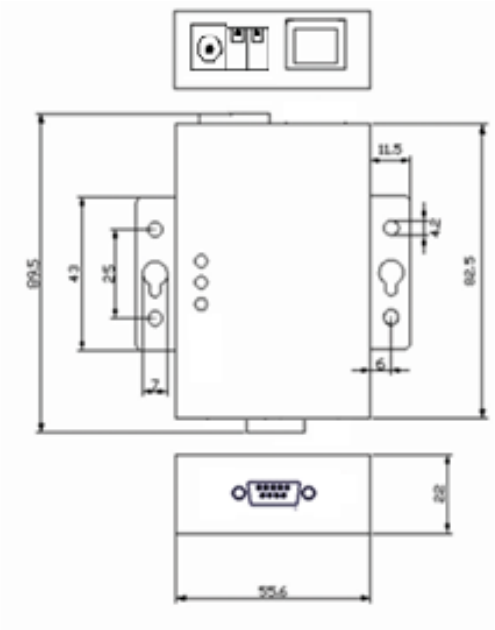
Automatic data direction control is provided for RS-485. In this case, the RS-485 driver is enabled automatically when the circuitry senses the TxD output from the RS-232 signal. This means that no programming effort is required to control the transmission direction of the RS-485 signal.

Specifications

Serial Interface		
	Number of ports	2
	Serial standards	RS-232 RS-485-2w
	Connector	DB-9 male for RS-232 Terminal block (3 pins) for RS-485
	Pull high / low resistor for RS-485	**1 kilo-ohm**
	Terminator for RS-485	120 ohms
	Baud rate	from 2400 baud to 125000 baud
	RS-485 Data Direction Control	Auto direction
Serial Signals		
	RS-485	Data+, Data-, GND
	RS-232	TxD, RxD, GND
Physical Characteristics		
	Housing	Metal
	Weight	97g
	Dimensions	Without ears: 55.6 x 82.5 x 22 mm (2.19 x 3.25 x 0.86 in) With ears: 78.6 x 82.5 x 22 mm (3.09 x 3.25 x 0.86 in)
Environmental limits		
	Operating temperature	-40 to +85 °C (Industrial temp)
	Ambient relative humidity	5 to 95% (non-condensing)
Power requirements		
	Input voltage	12 VDC
	Input current	43 mA
Warranty		
	Warranty period	3 years
	Details	See www.thesamin.com/warranty

Dimensions

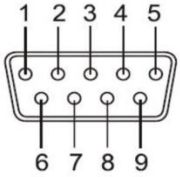
Unit: mm



Pinouts:

RS-232 pinouts:

PIN	RS-232
1	……
2	RXD
3	TXD
4	……
5	GND
6	……
7	……
8	……



RS-485 pinouts:

PIN	RS-485
1	Data+
2	Data-
3	GND