



RS232-RS485 Converter



Model# RBH H485-232

Description

The RBH H485-232 can convert the data from RS232C to a half-duplex RS485 signal. It gets its power directly from the serial port of the PC so it doesn't require an additional power supply. Because of its "Automatic Send Data Line Control" function you do not need to connect RTS, just plug it in. There is no need to install any other hardware or software.

Specifications

- 1) Ports:
 - a) RS232C
 - b) RS485
- 2) Distance to Baud Rate:

Distance	Baud Rate
500ft (150m)	115.2Kbps
2000ft (600m)	19.2Kbps
4000ft (1200m)	9600bps

- 3) Size: 88mm X 33mm X 17mm
- 4) Operation Temperature: 0-70°C
- 5) Operation Humidity: 5-95%

6) Connections:

a) RS232

DB9F (PIN)	RS232C (DCE)
1	DCD
2	TD
3	RD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS

b) RS485

DB9M (PIN)	RS-485
1	485-
2	485+
3	+5V
4	GND (optional)

Do not use the +5V connection.

Installation

Power

The unit can be powered from the PC's RS232 port.

Trouble Shooting

1) Communications error:

- a) Check RS232 port
- b) Check RS485 port

2) Data Loss:

- a) Verify that the baud rate is consistent between the sender and the receiver.

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