

1 Introduction

The TRP-C06 allows RS232 devices to connect directly to an industrial isolated RS422 or RS485 network and transmit data up to 1.2km. Automatic baud rate detection means that no software or hardware changes are required. Just plug in the unit and go. The TRP-C06 provides up to 3kV of isolation. This is recommended over longer cable runs or where ground potential differences can occur between host and client devices. Industry standard DIN rail or panel mount options enable fast and professional installation

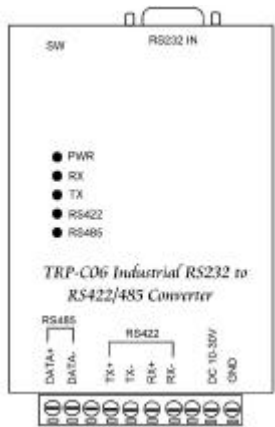
2 Features

- Minimum 3000V DC isolation protection.
- Transient suppression on RS-485 data line.
- Built-in termination resistor (selectable).
- Accept industrial standard +24V DC Unregulated power.
- RS422/485/PWR/TX/RX mode LED indicates.
- Power requirement: +10V to +30V.
- Support external standard +12V DC power adapter input.
- Two wire RS485 operation with automatic turnaround or four wire full duplex.

3 Specifications

- Input: Standard D-Sub 9 pin female Connector.
- Output: RS485 differential 2 half-duplex wires.
RS422 differential 4 full-duplex wires.
- Distance: RS422/485 up to 4000ft. (1250 meters)
- LEDs: PWR, TX, RX, and RS422, 485 statuses LED.
- Format: Asynchronous data with any combination of bits, parity, stop.
- Temperature: 0-65C (32-150F) ambient.
- Humidity: 10-90% non-condensing.
- Voltage: 10-30VDC.
- Power: Under 1 Watt (typical) + external load.
- Size: 742(W) X 111(L) X265(H) (FRAME), with connectors: 52(W) X85/mm.

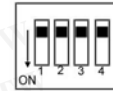
4 Pin Assignment



Pin Definitions		
PIN#	Signal Name	Description
1	DATA+	RS485 Transmission line, Positive
2	DATA-	RS485 Transmission line, Negative
3	N.C	No Connection
4	TX+	RS422 Transmission line, Positive
5	TX-	RS422 Transmission line, Negative
6	RX+	Receiving line, Positive
7	RX-	Receiving line, negative
8	N.C	No Connection
9	DC IN	DC IN 10V to 30V
10	GND	Ground

5 DIP Switch setting

RS422 Mode switch setting



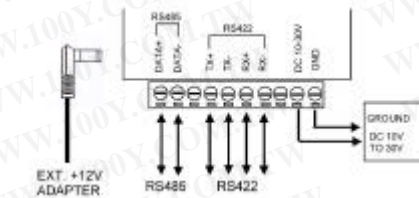
RS485 Mode switch setting



Internal Resistor switch setting



6 Communication Wiring



Warning: Don't connect external power adapter and plug in screw terminal DC input together.
請勿同時聯結外部變壓器,與輸入內部電源。

勝特力材料 86-3-5753170
 胜特力电子(上海) 86-21-54151736
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)