

TCC-100/100I

Isolated RS-232 to RS-422/485 Converter

Features

- RS-232 to RS-422 conversion with RTS/CTS support
- RS-232 to 2/4-wire RS-485 conversion
- 2 KV Isolation Protection (TCC-100I)
- Wall and DIN-Rail mountable
- Plug-in screw terminal block for easy RS-422/485 wiring
- PWR, Tx, Rx LEDs
- Surge protection, 15 KV ESD
- Operating temperature from -20 to 60°C

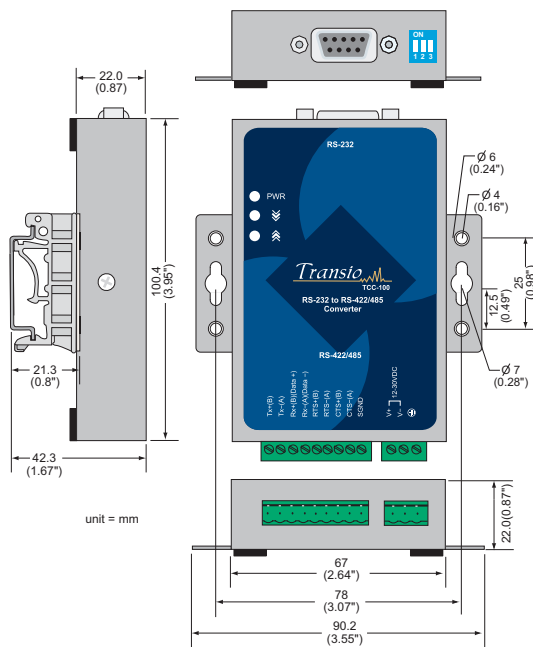


Introduction

TCC-100I is an isolated RS-232 to RS-422/485 converter designed for users who need an industrial grade interface conversion product to extend RS-232 transmission distance and increase networking capability. Its superior industrial

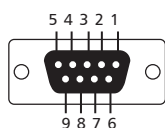
application design, which includes DIN-Rail mounting, terminal block wiring, external terminal block power, and optical isolation for system protection, makes TCC-100I suitable for use in critical industrial environments.

Dimensions



Pin Assignment

DB9 Female



PIN	RS-232	PIN	RS-232
1	DCD	5	GND
2	TxD	6	DTR
3	RxD	7	CTS
4	DSR	8	RTS

Specifications

Communications

Baud Rate: 50 bps to 230.4 Kbps

Surge Protection: 15 KV ESD for serial signals

Isolation: 2 KV (TCC-100I)

Environmental

Operating Temperature: -20 to 60°C

Storage Temperature: -20 to 85°C

Humidity: 5 to 95% RH

Power

Input Power Voltage: 12 to 30 VDC

Reverse Protection: V+ and V- reverse protection

Over Current Protection: Protection for 2 signals shorted together

Power Consumption: TCC-100: 286 mA @ 12V (3.4 W)
TCC-100I: 390 mA @ 12V (4.68 W)

Mechanical

Case: Aluminum

Weight: 148±5g

Regulatory Approvals CE Class B, FCC Class B

Ordering Information

TCC-100: RS-232 to RS-422/485 Converter;
DIN-Rail Mounting Kit and Manual included

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