

# TCC-100/100I

## Isolated RS-232 to RS-422/485 Converters



### 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
- Operating temperature from -20 to 60°C

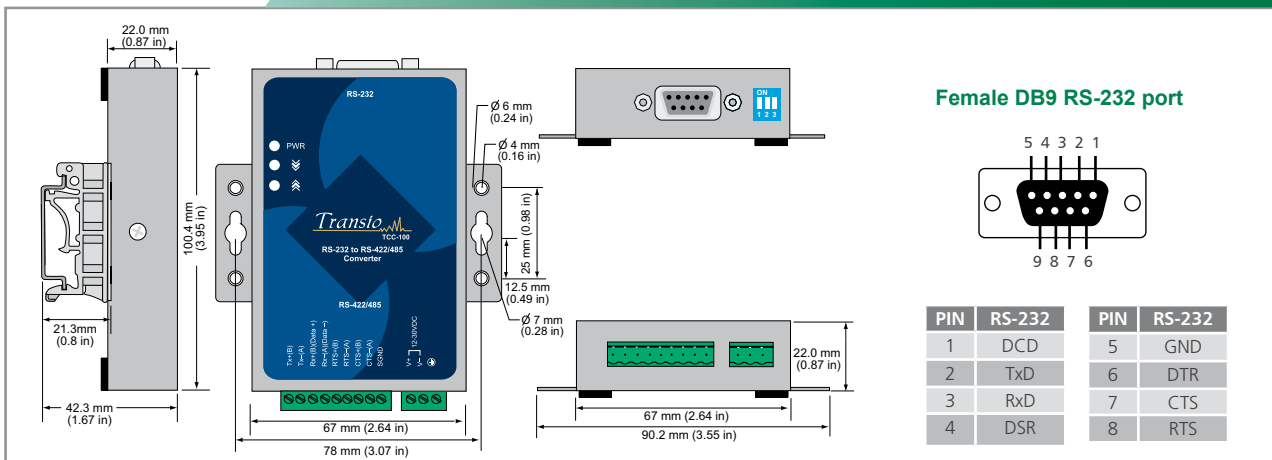


### Introduction

TCC-100I is an isolated RS-232 to RS-422/485 converter designed for users who need an industrial grade interface converter 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



### Specifications

#### Communications

**Baudrate:** 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

#### Overcurrent 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 ± 5 g

**Regulatory Approvals** CE Class B, FCC Class B

**Warranty:** 5 years

### Ordering Information

**TCC-100:** RS-232 to RS-422/485 Converter

**TCC-100I:** Isolated RS-232 to RS-422/485 Converter

#### All items include

- DIN-Rail Mounting Kit and User's Manual