

• RS-232 Side

Connector	DB9 female
Signals	TxD, RxD, RTS, CTS, GND

• RS-422/485 Side

Connector	Terminal Block
Signals	(interface selected by DIP switch) RS-422: TxD+, TxD-, RxD+, RxD-, RTS, CTS, GND RS-485-4w: TxD+, TxD-, RxD+, RxD-, GND RS-485-2w: Data+, Data-, GND
RS-485 Data Direction Control	ADDO® (Automatic Data Direction Control)

• Serial Communication

Baudrate	50 bps to 921.6 kbps
Optical Isolation	2 kV (TCC-100I/100I-T)

• Physical Characteristics

Housing	Metal
Dimensions	67 x 100.4 x 22 mm (2.64 x 3.93 x 0.87 in)
Weight	148 g (0.33 lb)

• Environmental Limits

Operating Temperature	Standard Models: -20 to 60°C (-4 to 140°F) Wide Temp. Models: -40 to 85°C (-40 to 185°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

• Power Requirements

Source of Input Power	Power input jack
Input Voltage	12 to 48 VDC
Input Current	TCC-100/100-T: 85 mA @ 12 VDC TCC-100I/100I-T: 150 mA @ 12 VDC
Voltage Reversal Protection	Protects against V+/V- reversal
Overcurrent Protection	Protects against two signals shorted together

• Standards and Certifications

Safety	UL 60950-1
EMC	EN 55032/24
EMI	CISPR 32, FCC Part 15B Class B
EMS	EN 61000-4-2 (ESD): Contact: 4 kV; Air: 8 kV EN 61000-4-3 (RS): 80 MHz to 1 GHz: 3 V/m EN 61000-4-4 (EFT): Power: 1 kV; Signal: 0.5 kV EN 61000-4-5 (Surge): Power: 1 kV EN 61000-4-6 (CS): 150 kHz to 80 MHz: 3 V/m EN 61000-4-8 (PFMF)