



TRP-C39 Fiber TO RS232/422/485 Isolated Converter, ST 2KM

Specifications

- Power Input Voltage: DC +10V to +30V.
- Interface: RS-232/422/485 auto switching to Fiber (Multi-mode).
- RS-232: 3 full-duplex (TXD, RXD, GND).
- RS-422: Differential 4 full-duplex wires (TX+, RX+, TX-, and RX-).
- RS-485: Differential 2 half-duplex wires (D+, D-).
- Cable: Fiber ST Cable (62.5/125um).
- Wavelength: 820 nM.
- Distance: RS-422/485 up to 4000ft . (1250M), and Fiber up to 2 KM .
- Baud Rate: From 300bps to 115.2kbps (maximum).
- Operating System: Windows/Linux/Unix/MAC.
- Connection type: Screw terminal for maximum AWG 12 wire.
- Signal LED: Power on, TX, RX.
- Power supply: Screw terminal, or standard external DC adapter.
- Power consumption: 1.6W.
- Isolation Voltage: 3000V DC.
- Operating temperature: -10 to 50°C .
- Storage temperature: -20 to 70°C .
- Humidity: 10-90% non-condensing.
- Dimension: 151 mm X 75mm X 26mm .
- Weight: 375g .

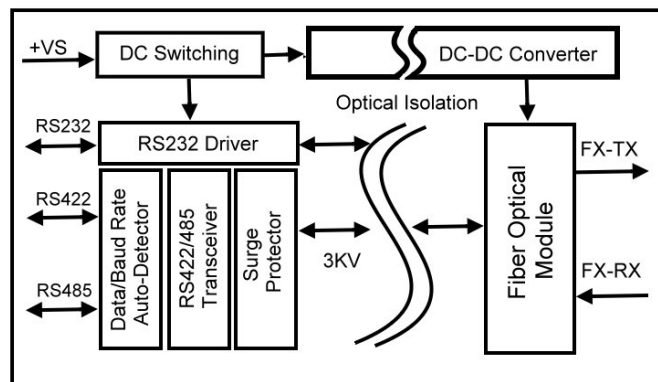
Introduction

The TRP-C39 fiber converter allows RS-232/422/485 signals to be bi-directionally converted to fiber optic and extend the distance up to 2KM over multi-mode. By using fiber optic transmission technology TRP-C39 secures a stable and error free data transmission over the industrial environments present electrical noise and ground differential challenges, especially over long distances. TRP-C39 support data format, baud rate and data direction auto configuration, it also provides with 3000V DC isolation and internal surge protection. The industry DIN rail and panel mounting design enable user a fast and professional installation.

Features

- Wide range power input voltage.
- ST Multi-mode fiber port.
- Auto direction flow control on RS-485.
- Automatically switch signal RS-232, RS-422 and RS-485.
- Support 3000V DC isolation protection.
- All RS-422/485 signals provide surge and over current protection.
- Power/TX/RX mode LED indicator.
- Fiber transmission distance up to 2KM .
- Auto baud rate switching from 300bps to 115.2Kbps.
- Support Din-Rail and panel mount.

Block Diagram



Application Note

