TRP-C39S
Fiber TO RS232/422/485 Isolated Converter, SC 40KM

Specifications

- Power Input Voltage: DC +10V to +30V.
- Interface: RS-232/422/485 auto switching.
- RS-232: 3 full-duplex (TXD, RXD, GND).
- RS-422: Differential 4 full-duplex wires.
- RS-485: Differential 2 half-duplex wires.
- Cable: Fiber cable (9/125um).
- Wavelength: 1310(FPLD) nM.
- Distance: Fiber up to 40KM and RS-422/485 up to 4000ft (1200M).
- RS-422/485 line protection: Against surge, short circuit, voltage peak.
- Connection type: Screw terminal for maximum AWG #12~30 wires.
- Power supply: Screw terminal, or external DC adapter.
- Power consumption: 110mA/12V
- Isolation Voltage: 3000V DC.
- Operating environment: -10 to 50℃ .
- Storage temperature: -20 to 70℃.
- Humidity: 10~90% Non-condensing.
- Dimension: 151mm X 75mm X 26mm .
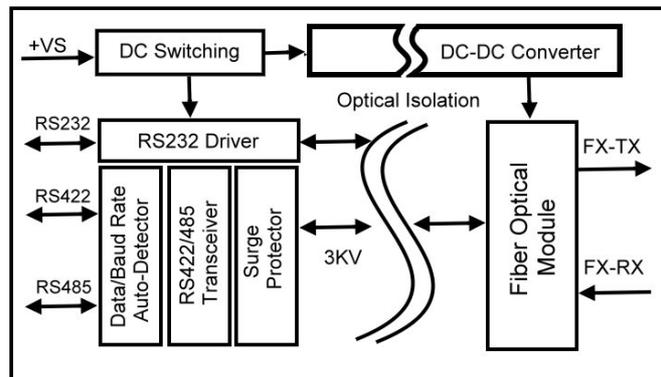- Weight: 388g .

Block Diagram

Introduction

The TRP-C39S fiber converter allows RS-232/422/485 signals to be bi-directionally converted to fiber optic and extended the line signal distance up to 40KM over single mode. By using fiber optic transmission technology TRP-C39S secures a stable and error free data transmission over the industrial environments. The high bandwidth fiber connections solve problems with electrical noise and different ground potentials over long transmission. TRP-C39S support auto configuration in data format, baud rate and RS-485 data direction flow control, 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 input range DC power supply.
- SC single mode fiber port.
- Auto direction flow control on RS-485.
- Auto RS-232/422/485 signals switching.
- Auto data format detecting.
- Auto baud rate switching from 300bps to 115.2Kbps.
- Support 3000V DC isolation protection.
- Support surge protection on RS-422/485 data lines.
- Power/TX/RX mode LED indicator.
- Fiber transmission distance up to 40KM .
- DIN rail or panel mount support.

Application Note