

DY-C39S Serial to Fiber Link, RS232 / 422 / 485



Layer 2, Serial Fiber Links RS-232 / 422 / 485 SCADA 40 KM Singlemode Fiber Converter

- * IEC 61850 / IEEE1613 / NEMA TS-2 / Class 1 Div 2 - Power Plants / Switch Gear / Substations , Message Signs
- Supports 3000 Volt DC Optical Electrical Isolation Protection
- * Temperature Hardened, (-40 ~ +85C) Military Grade, Ruggedized Casings and Connectors
- * New Smaller Footprint, Reduced Power Consumption
- * New <40 Kilometer Singlemode High Accuracy Fiber Optics
- * Diagnostic LED's for Easy Maintenance & Installation
- * Limited Lifetime Warranty
- * American Certified Ethernet - Genuine Components



++ Also Available: KY-C39 Multimode Version

» Overview

The **DYMEC C-39S** Serial Links fiber converter allows RS-232/422/485 serial signals to be bi-directionally converted to fiber optic transmission and extend the serial link distance < 40 Kilometers over Singlemode fiber. The use of fiber optic transmission technology, insures stable & error free data transmission within harsh industrial environments over long distances. By utilizing fiber transmission of serial data, the device provides 3000 Volts DC isolation & internal surge protection. Engineered for superior fiber optic performance and electrical isolation

» Features

1. Wide Range Power Input
2. SC Singlemode High Accuracy Fiber Port
3. Auto-detection flow control for RS-485
4. Automatically Switches signal for RS-232 / 422 / 485
5. Supports 3000 Volts DC Isolation Protection
6. All RS-232 / 422/ 485 provide Surge & Over-current Protection
7. Power / TX / RX Led Indicators
8. Singlemode Fiber Transmission Distance up to 40 KM
9. Auto baud rate switching from 300 bps to 115.2 Kbps
10. Temperature Hardened (-40 ~ +85C)
11. Military Grade Hardware
12. Supports Din-Rail & Panel Mount

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» Technical Specifications:

Electrical Specifications:

- Power Input Voltage: +10 ~ +30 Volts DC
- Power Consumption: 1.6 Watts
- Interfaces: RS232 / 422 / 485 Auto-Switching to Fiber (Singlemode)
- RS-232: 3 Conductor, Full Duplex (TXD, RXD, GND)
- RS-422: Differential 4 Conductor, Full Duplex (TX+, RX+, TX-, RX-)
- RS-485: Differential 2 Conductor, Half Duplex (D+, D-)
- Cable: Fiber, Singlemode, SC Connector (9/125um)
- Wavelength: 1310 (FPLD) nm
- Distance: RS-422/485 Up to 4000 feet (1250M) & Fiber Up to 40 KM
- Supported Baud Rates: Fromm 300bps to 115.2kbps
- Connection Type: Screw Terminal (Maximum AWG # 12 ~ 30 Wire)
- Power Supply: Screw Terminal or External DC Adapter
- Isolation Voltage: 3000 Volts DC
- **Hardware: Class 1, Division 2, Military Grade**
- Operating Temperature: -40 ~ +85C
- Humidity: 10~95% Non-condensing
- American Certified Ethernet
- Dimensions: 151mm X 75 mm X 26mm
- Weight: 387g
- Substation Certified

www.Dymecdirect.com