Model277/B Series

RS-485/422 to Fiber Converter

Features

1. Extend RS-485/422 transmission up to 120Km with single-mode

2. Transmit asynchronously, point to point, speed reach 500Kbps

3. Examine signal speed automatically, zero delay time

4. Plug-and-Play(hot-pluggable, data format auto-sensing & self-adjusting)

5. Power External 5VDC

6. 600W surge protection, 15KV ESD protection

Introduction

Model277/B is one kind can offer RS-485/422 serial port carry transparent optic fiber modem of transmission to get end to user, no need patch cords set up, switch over automatically, and can detect and examine the signal speed automatically, zero delays time to transmit automatically. Model277/B adopt optic fiber transmit, have isolate protection, data privacy is fine, working steady, data, such threats to communication equipment as the wave is welled up and interfered with electromagnetically that the effective one has prevented the abominable environment from being struck by lightning, can work in the abominable and dangerous environment reliably.

Can be used in occasions such as various industrial control, course controlling, traffic controlling and intellectual district , especially suit the bank, electricity and interfering with environment department and system with the special requirement electromagnetically.

Specification

RS-485/422

Standards: EIA RS-485, RS422 standard

RS-422 signal: T+, T-, R+, R-, GND

RS-485 signal: D+, D-, GND

Working mode: Asynchronism, point to point or multi point, 2 wire half-duplex,4 wire full duplex

Baud rate: 300~500Kbps, auto test serial signal rate detect signal speed automatically, zero delay time

Transfer distance: RS-485/422 side:1.2Km(9600bps)

Max number of drops: 128 nodes(RS-485/422)

Port protect: 600W surge protection

15KV ESD protection

Optic Fiber

Connectors: SC, FC or ST, optional

Fiber optic cables: Single Mode:8.3/125,8.7/125,9/125 or 10/125 um

Muti-Mode:50/125,62.5/125 or 100/125 um

Transmission: 20, 40,60,80, 120km(SM),

2 km(MM) optional

Wavelength:850nm,1310nm,1550nm

Power

Power input: Power External 5VDC

Consumption: 120mA

Environment

Operating temperature: -10°C to 60°C

Storage temperature: -40°C to 85°C

Humidity: 5% to 95%(no condensation)

Appearance

Dimensions: $94.0 \times 71.0 \times 26.0$mm(power external)
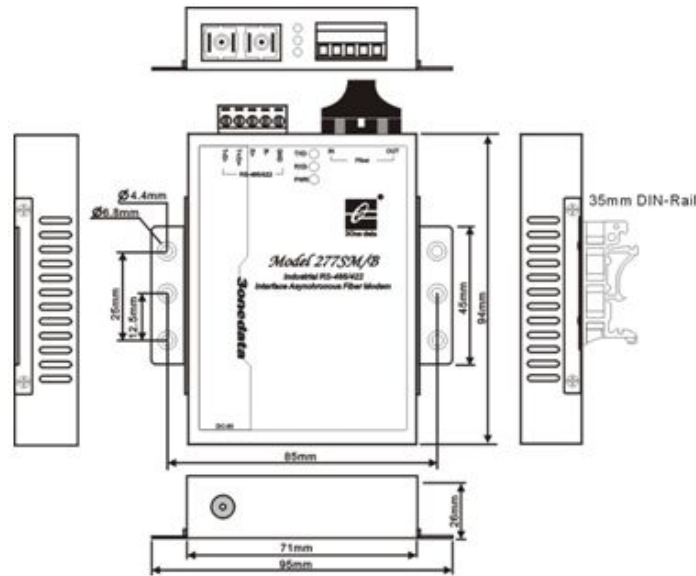
Material: Iron(shell)

Color: White

Weight: 230g(power external), 260g(power internal)

Warranty: 5 years

Approvals: FCC, CE, RoHS approvals

Dimension

Ordering Information

Model NO.	Description
Model 277B-M	multi-mode, 20Km, 5VDC, SC, FC or ST optional
Model 277B-S/20	single-mode, 20Km, 5VDC, SC, FC or ST optional
Model 277B-S/40	single-mode, 40Km, 5VDC, SC, FC or ST optional
Model 277B-S/60	single-mode, 60Km, 5VDC, SC, FC or ST optional
Model 277B-S/80	single-mode, 80Km, 5VDC, SC, FC or ST optional
Model 277B-S/100	single-mode, 100Km, 5VDC, SC, FC or ST optional
Model 277B-S/120	single-mode, 120Km, 5VDC, SC, FC or ST optional
Model 277B-SS/20	single-mode, single fiber, 20Km,5VDC, SC, FC or ST, optional
Model 277B-SS/40	single-mode, single fiber, 40Km, 5VDC, SC, FC or ST, optional
Model 277B-SS/60	single-mode, single fiber, 60Km, 5VDC, SC, FC or ST, optional
Model 277B-SS/80	single-mode, single fiber, 80Km, 5VDC, SC, FC or ST, optional

Packing List

1. Model277/B series Fiber Converter×1

2. 5VDC power adapter ×1(for power external fiber converter)

3. User manual ×1