Your Serial and Data Communications Expert

3One data ®

Model277/A Series

RS-232 to Fiber Converter

Features

1. Extend RS-232 transmission up to 120Km with single-mode

2. Transmit asynchronously, point to point, speed reach 120Kbps

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

4. 600W surge protection,15KV ESD protection

5. Power External 5VDC

ISO 9001 · CNAB · IAF · FC · CE · RoHS

Introduction

Model277/A is one kind can offer RS-232 serial port carry transparent optic fiber modem of transmission to get end to user, it is the best choice to connect RTU to HOST or SCADA controller. Model277/A 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-232

Standards: EIA RS-232C standard

RS-232 signal: OUT(TX), IN(RX), GND

Baud rate: 0~115.2Kbps, auto test serial signal rate detect signal speed automatically, zero delay time

Transfer distance: no less than 5m

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, 100, 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

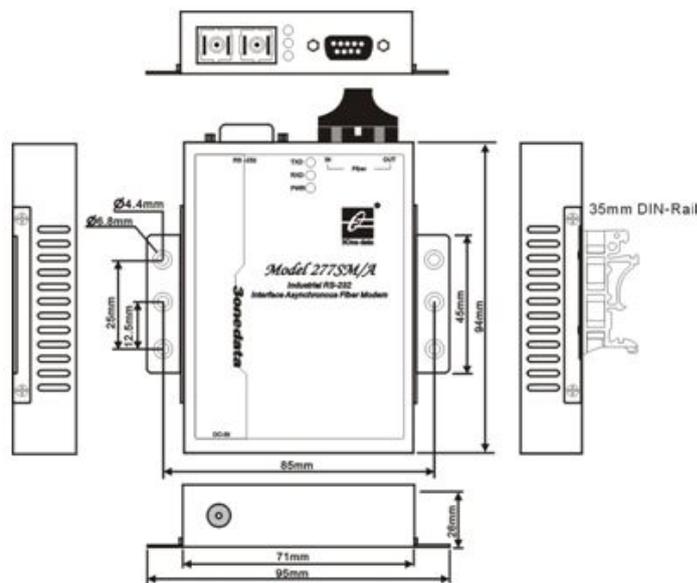Dimensions: 94.0 × 71.0 × 26.0mm(power external)

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 277A-M	multi-mode, 2Km,5VDC, SC, FC or ST optional
Model 277A-S/20	single-mode, 20Km, 5VDC, SC, FC or ST optional
Model 277A-S/40	single-mode, 40Km, 5VDC, SC, FC or ST optional
Model 277A-S/60	single-mode, 60Km, 5VDC, SC, FC or ST optional
Model 277A-S/80	single-mode, 80Km, 5VDC, SC, FC or ST optional
Model 277A-S/100	single-mode, 100Km, 5VDC, SC, FC or ST optional
Model 277A-S/120	single-mode, 120Km, 5VDC, SC, FC or ST optional
Model 277A-SS/20	single-mode, single fiber, 20Km,5VDC, SC, FC or ST, optional
Model 277A-SS/40	single-mode, single fiber, 40Km, 5VDC, SC, FC or ST, optional
Model 277A-SS/60	single-mode, single fiber, 60Km, 5VDC, SC, FC or ST, optional
Model 277A-SS/80	single-mode, single fiber, 80Km, 5VDC, SC, FC or ST, optional

Packing List

1. Model277/A series Fiber Converter×1

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

3. User manual ×1