Thor Fiber F-RSD-XX   RS-232/485/422 Over Fiber

1. Summarize

Thor Fiber now has a line of Multi-Serial (RS-232 / RS-485/ RS-422) to Fiber Optic Converters that transmit a serial protocol over fiber. Fiber Transmission extends a serial signal up to 120km.

These units support single-mode and multimode over a single fiber. The serial port interface is a single terminal block connector field wiring.

These units automatically detect the signal baud rate of the connected serial device that ranges from 300bps to 115.2Kbps baud. It also automatically adjusts to changes in the connected device's bound during operation without reconfiguration or interruption of service.

2. Function and Characteristic

a)   Instruction for LED(fiber): OFF: works correctly   Blink: failed operation

b)   Instruction for LED(data): ON: data transmission   OFF: no data transmission

c)   Supports RS-232/RS-485/RS-422 interface

d)   Asynchronous, point to point, rate up to 120Kbps

e)   Supports 5V power input (9V-48V optional), consumption 2W

f)   1500W surge protection, 15KV static protection

g)   RS-485/422 port support 32 node (up to 128 Node)

h)   Working wavelength:1310nm(multi-mode) ,1310nm (single mode)

i)   Auto test signal rate, zero delay, auto-transmit.

3. Performance guideline

Interface: support EIA RS-232, 485, 422 standard

Rate: 0-120Kbps

Transmit distance: RS-232 port 15m,

RS485/422 port 1500m, optical port multi-mode 2KM, single-mode20KM
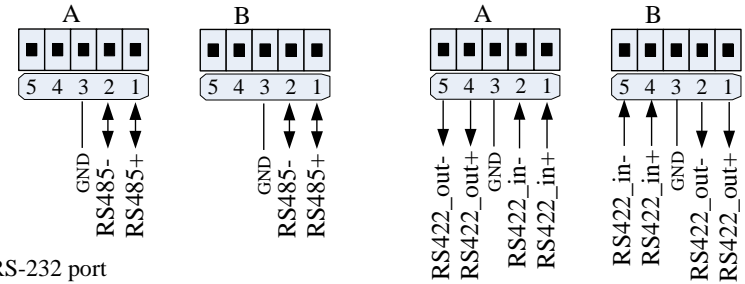
Working temperature: -25℃ to 70℃

4. Appearance guideline

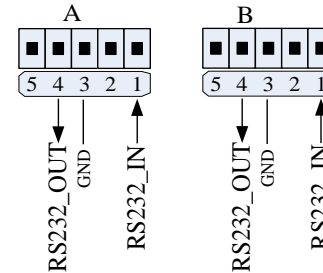Interface type: 10 bit terminal block, multi-mode   SC/PC interface

L*W*H: 110mm*104mm*28mm ,   Weight: net weight: 300g
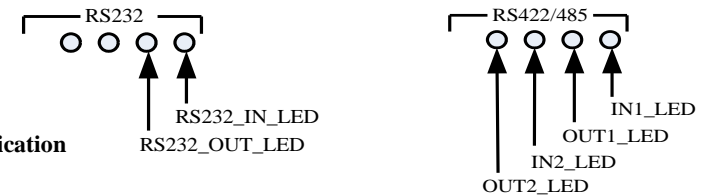
5. Pin define

1、Power interface: DC 2.5   —— 5V

2、RS-485/422 port

3、RS-232 port

6. Indicator light explain

7. Application