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Connecting. Converting. Leading!

## User Manual for Fiber to Serial Converter. Model SC09FSS

### Features:

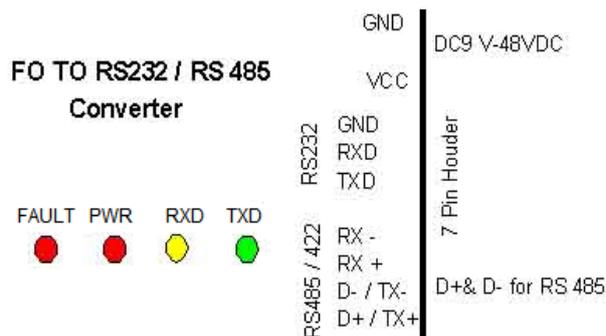
Supports RS232 / RS485 / RS422 Interfaces.  
 Asynchronous transmission : Point-to-Point with a rate 115kbps in RS232 & 460kbps in RS485.  
 Transmission distance : 4 Km for multi-mode and 20 Km for single-mode.  
 Working temperature : -40°C to +80°C  
 Relative humidity : 5% to 95% rh non condensing.  
 Working wave length : 1310nm (Single-mode & Multimode)  
 Both half duplex and full duplex communications through fiber supported

Look at the check box for identifying Single / Multimode

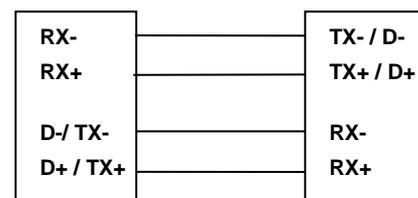
### Interfaces:

RS232 / RS485/422 : Screw type Industrial Connector  
 Fiber interface : ST Interface (other interface can be ordered SC/FC)  
 RS-232 Interface : 3 Lines  
 Input voltage : 24V DC, Range 9 to 48V DC @ 350mA. Pls mention while placing PO  
 : Provision for 12V DC, 230 V AC Adapter  
 RS-485/422 Interface : 32 Multidrops  
 ESD protection : +/-15KV on all signals  
 Surge protection : 600W each line for RS422 and RS485 interfaces.

### Connection Details and Signals

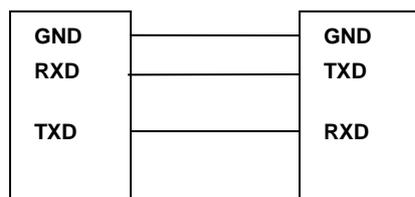


### Serial Connection: RS485 / RS422



Pin Out of SC09      Your Device  
**NOTE: - USE D+ & D- for RS485, 2 wire**

### Serial Connections: RS232



Pin Out of SC09      Your Device

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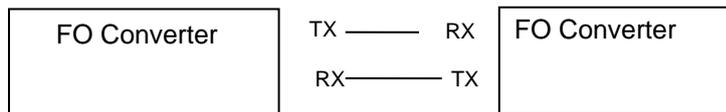


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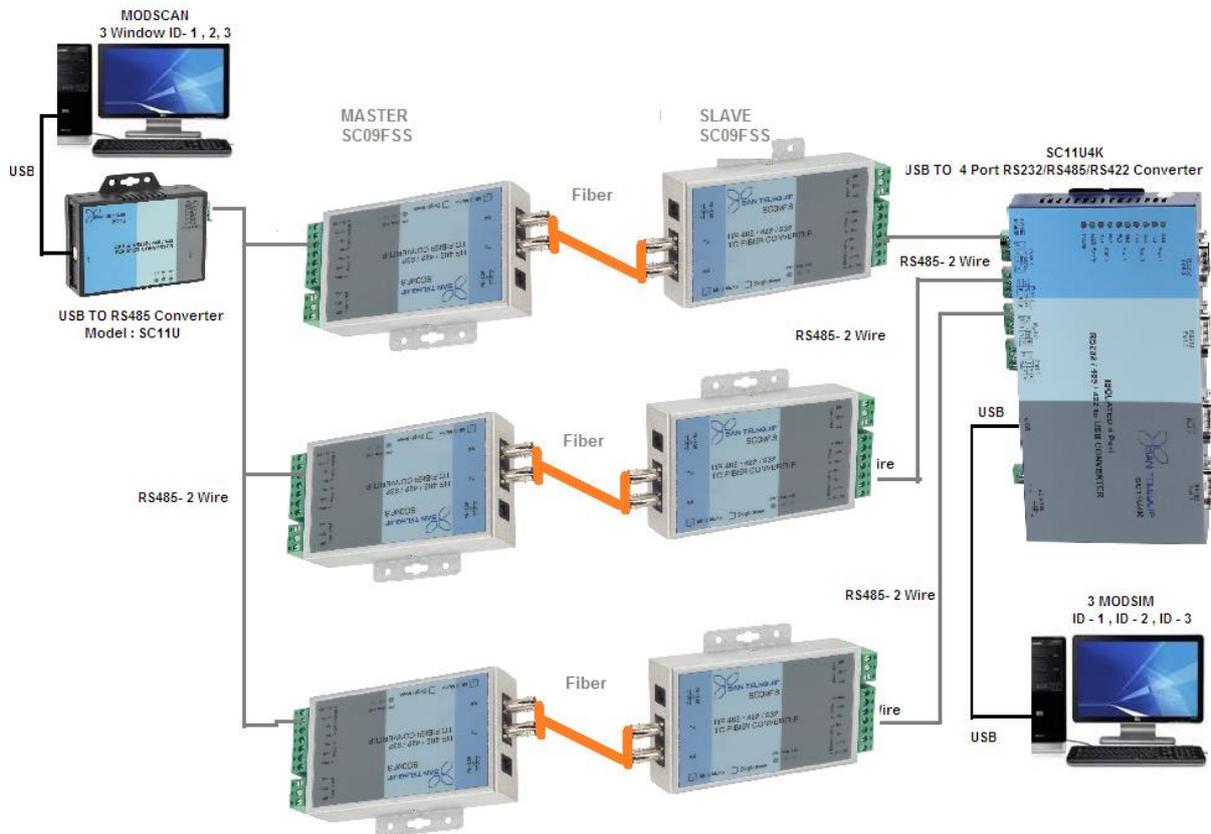
**Fiber connection**

Multi-mode fiber cable of almost all sizes can be used, including 50/125um, 100/140um and 200um. Under point-to-point mode, two fibers are to be used for two fiber modems and the directions of the data transmission are opposite.

Connection diagram for Back to Back mode



Connection diagram for One to Many



**Signal and Power indicators**

- TXD : Indicating data sending from fiber interface.
- RXD : Indicating data receiving by fiber interface.
- PWR : Power indicator.
- FAULT : Fiber link indicator.