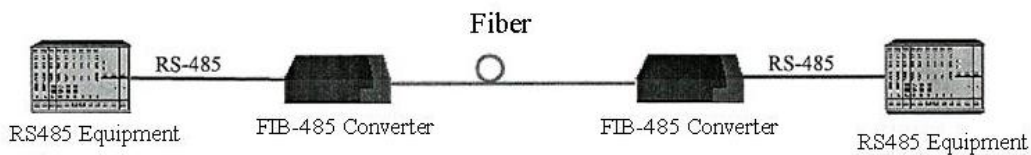# RS485 Fiber Conventer User Manual

FIB485S01 Converter for to make the RS485 and Fiber signal together. Converter Support different connection type, the distance support 25KM, for fiber connection support to 2KM range. Support DC-115.2kps frequency, fiber is using SC type, easy to install and connection. The converter design for industrial type, high speed connection, telecom equipment.
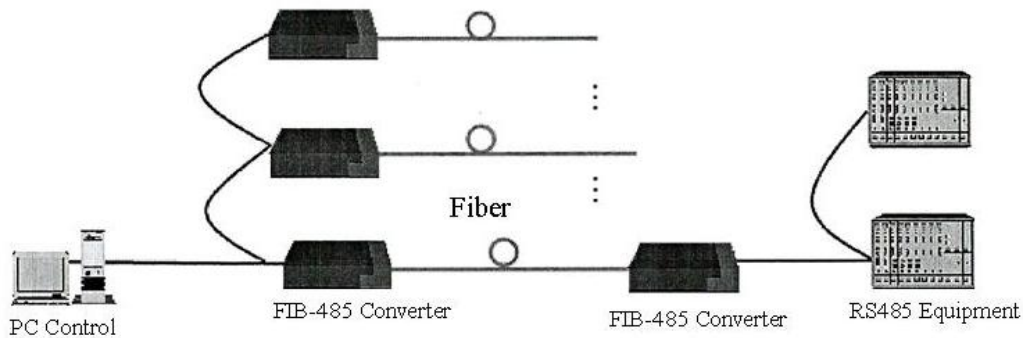
Technical Data

Data Connection	: RS485 Signal
RS-485 physically connector point	: Industrial Type
RS-485 transfer rate	: DC115.2Kbps
BER	: 10e-9
Size	: 70(L) x 76(W) x 24(H) mm
Connector	: SC Type
Range	:25K meters

1. Wiring Diagram Single Connection Type

RS485 Equipment — RS-485 — FIB-485 Converter — Fiber — FIB-485 Converter — RS-485 — RS485 Equipment

2. Wiring Diagram Star Connection Type

PC Control — FIB-485 Converter — Fiber — FIB-485 Converter — RS485 Equipment

3. Wiring Diagram with Repeater

FIB-485 Converter — Fiber — FIB-485 Converter

FIB-485 Converter — Fiber — FIB-485 Converter — RS485 Equipment

RS485 Equipment
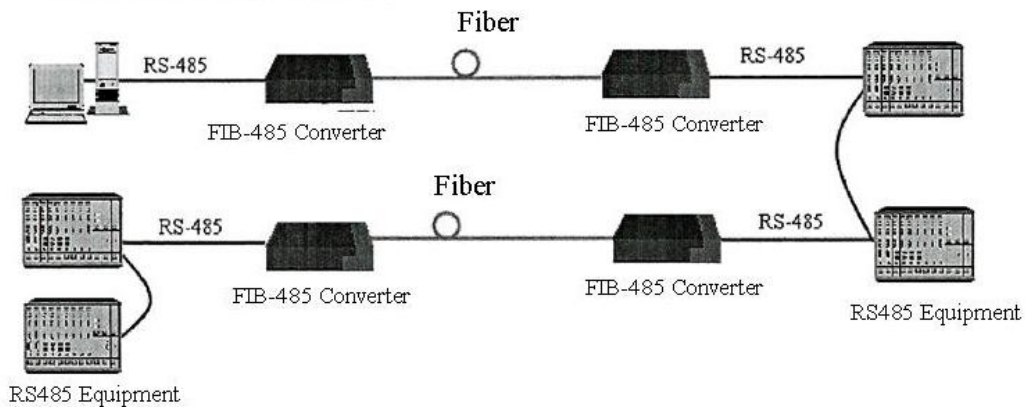
Front Panel

Left Side Panel
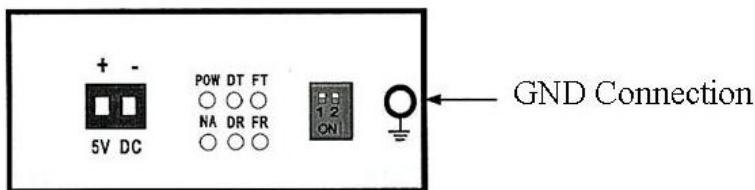
GND Connection

Power Input

+:   DC5V   "+"
−:   DC5V   "−"

Light Indication

POW : Power	When Power Connect Light will On
DT : RS485 Received	When Data Transmit Light will Flash
DR : RS485 Transmit	When Data Received Light will Flash
FR1 : Fiber Connection	When Fiber Transmit Data Light will Flash
FR1 Fiber Connection	When Fiber Received Light will Flash

Left Side Panel
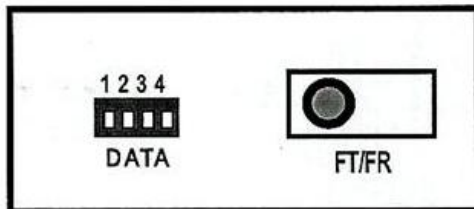
FT/FR : Fiber Point

DATA : RS485 Connection
DATA : Data Jumper setting

1	RS485+	RS485 Received "+"
2	RS485-	RS485 Transmit "-"
3	Empty	
4	Empty	

Installation
1. POWER OFF before connection
2. Connect with the right connector
3. Fiber local connect with FR/FR connect point and remote for FT/FR connection point