HFD-FO-PRO Series

Profibus to Fiber Optic Converter(OLM)

Product Description

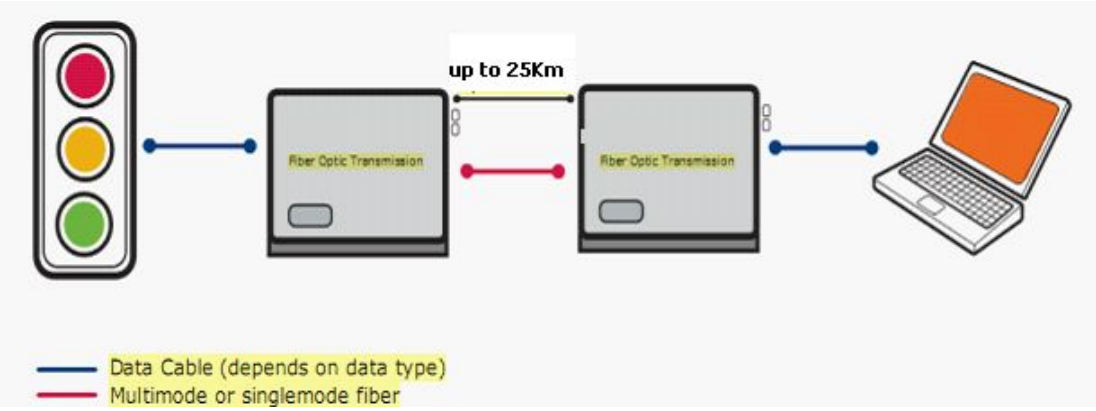
The HFD-FO-PRO series Profibus optical link module uses the most advanced digital technologies to provide excellent repeatable performance for today's data systems. It supports transmission of one bi-directional data channel over one multimode or single mode optical fiber. Profibus standards are fully supported. The plug-and-play design ensures ease of installation with no electrical or optical adjustment needed. LED indicators are provided to show the operational status of the unit clearly. The series is available in compact wall mount or 2U chassis card.

The HFD Profibus converter is equipped with a multiple interface circuit that can handle Profibus serial interfaces and multi-mode or single- mode fiber. Profibus converters are used to extend serial transmission distance up to 2 km (multi-mode fiber) or up to 20-100km (single- mode fiber). .Auto Baud Rate Detection.The HFD Profibus Series incorporates a method for automatically detecting the serial signal baud rate by hardware. This is an extremely convenient feature for the user. Even if a device's baud rate is changed, the signal will still be transmitted through the Profibus to fiber converter without any problem.

Product Features

- Point to point/Multi-drop/Redundant ring topologies
- Multimode and single mode solutions
- Single or dual fiber solution
- Single or dual power supply solution
- Wall mount, rack or chassis configurations
- 5 years warranty

Typical System Configuration



Specifications:

Data	
Data Formats	Siemens Profibus RS-485
Data Rate	0~1.5Mb/3Mb/6Mb/12Mb
Bit Error Rate	<1 x 10-12
Connectors	
Data	DB9 or Terminal
Fiber	ST, SC or FC (ST fitted as standard)
Environmental	
Operating Temperature	-30C---+70C
Storage Temperature	-40C---+90C
Operating Humidity	0-95%
MTBF	>100,000 Hours
Optical	
Fiber	Multi mode or Single mode
Wavelength	MM:850nm,SM:1310nm
Number of fibers	2 or 1(WDM,Bi-Di)
POWER	
Power Input	AC 220V 110v or DC+110V,+5V,+12V,+24V,+48V Option
Mechanical	
Dimensions	40(W)×120(H)×90(D)mm DIN Rail

Model Selection:

Model Number	Description	Fiber No.	Fiber Mode	Fiber Connector
HFD-FO-PRO-P1M	Point to point Link,Single Fiber(BI-DI), 2km	1	Multi Mode	ST/SC/FC
HFD-FO-PRO-P2M	Point to point Link,Dual Fiber, 2km	2	Multi Mode	ST/SC/FC
HFD-FO-PRO-P1S	Point to point Link,Single Fiber(BI-DI), 20km	1	Single Mode	ST/SC/FC
HFD-FO-PRO-P2S	Point to point Link,Dual Fiber, 20km	2	Single Mode	ST/SC/FC