

Single Fiber 3 Channel Bi-directional Transceiver: Digital 24 Bit Audio or Multi-Protocol Data or Contact Closure

FEATURES:

- 24Bit Digital Audio
- Diagnostics: Audio, Data, Contact, Power & Optical Presence
- Automatic Resettable Fuses on Power Lines

SPECIFICATIONS:

Audio:

I/O Level @ 600 Ohms 0 dBm
 Bandwidth 20 Hz to 20 KHz
 THD @ 1 KHz 0.1%
 SNR..... 80 dB
 Connector Terminal Block

Data :

Interface.....
 485(2 or 4 Wire)
 RS422
 RS232
 Data Format Asynchronous, Serial
 Data Rate DC to 115 Kbs
 Connector Terminal Block

Contact Closure:

Input Switch Closure to Ground
 Output Dry Contact
 Response Time 2 mS
 Max Voltage 100 VDC or Peak AC
 Max Current 0.5 A
 Connector Terminal Block

Optical:

Wavelength 1310/1550 nm
 Loss Budget (9/125µ)..... 21dB
 Connector FC

Environmental

Operating Temp..... -40°C to +75°C
 Storage Temp..... -40°C to +85°C
 Humidity..... 0% to 95% (non condensing)
 MTBF..... >100,000 hours

Power Supply:

Module – 12 VDC (AFI Part # PS-12D)
 Rack Card – AFI SR 20/2

Size:

Module - 8 1/8" x 4 1/8" x 1 1/8"
 Rack Card requires 1 rack slot – 6 1/2" x 1" x 5"

Product Ordering Information:

MT-9PXXXSL Module Transmitter
 MR-9PXXXSL Module Receiver
 RT-9PXXXSL Rack Card Transmitter
 RR-9PXXXSL Rack Card Receiver
 Data X=5
 Audio X=8
 Contact X=9



The American Fibertek 9PXXXSL Series transmits up to 3 channels of either high-quality, state of the art, 24bit digital audio and/or multi-protocol data and/or contact closure channel on one singlemode optical fiber. Any combination of audio, data or contact is available up to 3 channels. This link is capable of providing an optical loss budget of 21dB utilizing 1310nm/1550nm wavelength lasers.

Designed to be completely transparent, this system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status.

Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages: SR-20/2 or SR20H/2 (redundant power supply option).

