9PXXX Series Multimode

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 (62/125µ)..... 15 dB
Connector……ST

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 ⅛” x 4 ⅛ “x 1⅛ ”
Rack Card requires 1 rack slot – 6½" x1"x5"

Product Ordering Information:

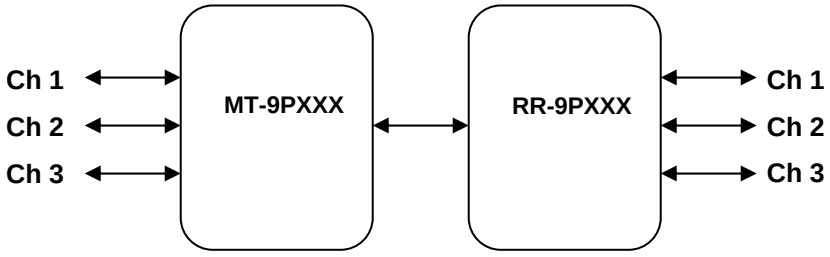
MT-9PXXX	Module Transmitter
MR-9PXXX	Module Receiver
RT-9PXXX	Rack Card Transmitter
RR-9PXXX	Rack Card Receiver

Data X=5
Audio X=8
Contact X=9

The American Fibertek 9PXXX 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 multimode 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).



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