

0890 SERIES MULTIMODE



Bi-directional Audio and Contact Closure System Two-Way Audio and Two-Way Contact Closure



FEATURES:

- Bi-directional Audio and Contact Closure Transceivers
- Diagnostics: Power and Optical Presence
- 24 VAC Standard or 12 VDC Option
- No User or Installation Adjustments
- 600 Ohms Balanced or Unbalanced Audio
- FM Modulated Audio

SPECIFICATIONS:

Audio:

| | |
|----------------------------|----------------------|
| I/O Level @ 600 Ohms | 0 dBm |
| Bandwidth..... | 20 Hz to 10 KHz |
| THD @ 1 KHz..... | 1% |
| SNR..... | 50 dB |
| Connector | 5 Pin Screw Terminal |

Contact Closure:

| | |
|---------------------|--------------------------|
| Input..... | Switch closure to ground |
| Output | Dry Contact |
| Response time | 2 ms |
| Connector | 5 Pin Screw Terminal |

Optical:

| | |
|------------------------------|-------------|
| Wavelength | 850/1300 nm |
| Loss Budget (62.5/125µ)..... | 12 dB |
| Connector..... | ST |

Temperature (Operating):

-20°C to +70°C, non-condensing

Power Supply:

Module - 24 VAC (AFI Part #: PS-24)
Rack Card (See AFI Part #: SR-20/2)

Size:

Module - 5 7/8" x 6 3/4" x 1 1/8"
Rack Card requires one rack slot - 6 1/2" x 1" x 5"

ORDERING INFORMATION:

- MT = Module Transmitter - Audio/Contact Closure Input/Output
- MR = Module Receiver - Audio/Contact Output/Input
- RT = Rack Card Transmitter Audio/Contact Closure Input/Output
- RR = Rack Card Receiver - Audio/Contact Output/Input

Example: MT-0890 to RR-0890



The American Fibertek 0890 Series transmits two channels of high-quality bi-direction audio/contact closure on one multimode optical fiber. Designed to be completely transparent, this product series will provide superior performance in audio systems where 600 Ohms balanced audio and contact closure are required. 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 SR-20R/1.

