

89D SERIES MULTIMODE



Single Fiber Bi-directional Transceivers Audio and Contact Closure System Interface For Dukane Intercom Systems



FEATURES:

- Bi-directional Audio and Contact Closure Transceivers
- Diagnostics: Power and Optical Presence
- Voice Operated (VOX) Transmission
- FM Modulated Audio

SPECIFICATIONS:

Audio:

Bandwidth300 Hz to 10 KHz
 THD @ 1 KHz.....2%
 SNR.....50 dB
 Connector5 Pin Screw Terminal

Contact Closure:

InputSwitch Closure to Ground
 OutputDry Contact
 Response Time2 ms
 Connector5 Pin Screw Terminal

Optical:

Wavelength850/1300 nm
 Loss Budget (62.5/125µ)12 dB
 ConnectorST

Temperature (Operating):

-20°C to +70°C, non-condensing

Power Supply:

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

Size:

Module - 5¾" x 6¾" x 1¾"
 Rack Card requires one rack slot - 6½" x 1" x 5"

ORDERING INFORMATION:

MT = Module Transmitter - Station
 MR = Module Receiver - Master
 RT = Rack Card Transmitter - Station
 RR = Rack Card Receiver - Master

Example: MT-89D to RR-89D



The American Fibertek 89D Series transmits one channel of high-quality low distortion bi-directional audio/contact closure on one multimode optical fiber. Designed to be completely transparent, the system field microphone and audio levels can be adjusted to balance and optimize signal levels. 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.

