



Two Fiber Bi-directional Transceivers Audio and Contact Closure System For Aiphone Intercom Systems

FEATURES:

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

SPECIFICATIONS:

Audio:

Bandwidth 300 Hz to 10 KHz
 THD @ 1 KHz 2 %
 SNR 50 dB
 Connector 5 Pin Screw Terminal

Contact Closure:

Input Switch Closure to Ground
 Output Dry Contact
 Response Time 2 ms
 Maximum Voltage 100 VDC or Peak AC
 Maximum Current 0.5 amp
 Connector 5 Pin Screw Terminal

Optical

Two Fibers (Singlemode) 9/125 um
 Wavelength 1310 nm
 Loss Budget 12 dB
 Connector ST

Temperature (Operating):

0 °C to +60 °C, non-condensing

Power Supply:

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

Size:

Module – 5 3/4" x 6 3/4" x 1 3/8"
 Rack Card – 6 1/2" x 1" x 5"

Ordering information:

MT-89AL-2F-13S = Module Transmitter
 RT-89AL-2F-13S = Rack Card Transmitter
 MR-89AL-2F-13S = Module Receiver
 RR-89AL-2F-13S = Rack Card Receiver



The American Fibertek Series 89AL-2F-13S fiber optic link is designed to interface with the Aiphone LEF intercom system. The 89D-2F-13S utilizes 2 singlemode fibers. 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 SR-20/2 or SR-20H/2 (redundant power supply) American Fibertek Card Cages.

