

Audio System For Aiphone LEF & Compatible 25V Intercom Systems

FEATURES:

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

SPECIFICATIONS:

Audio:

Input/Output25V compatible
 Bandwidth 300 Hz to 10 KHz
 THD @ 1 KHz 2 %
 SNR 50 dB
 Connector 5 Pin Screw Terminal

Call-In 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

Fiber (Multimode) 50/125 or 62/125 um
 Wavelength 850nm/1310 nm
 Loss Budget 62um 12 dB
 Loss Budget 50um 9 dB

Fiber (Singlemode) 9/125 um
 Wavelength 1310/1550 nm
 Loss Budget 20 dB
 Connector ST

Temperature (Operating):

-10 °C to +70 °C, non-condensing

Power Supply:

Module : 12Vdc (AFI Part# PS-12D)
 Rack Card (See AFI Part #: SR-20/2)

Size:

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

Ordering information:

Multimode

MT-89A-L-12VDC	Module Tx
RT-89A-L	Rack Card Tx
MR-89A-L-12VDC	Module Rx
RR-89A-L	Rack Card Rx

Singlemode

MT-89A-L-SL-12VDC	Module Tx
RT-89A-L-SL	Rack Card Tx
MR-89A-L-SL-12VDC	Module Rx
RR-89A-L-SL	Rack Card Rx



The American Fibertek Series 89A-L fiber optic link is designed to interface with the AiPhone LEF and compatible 25V intercom systems. The Series 89A-L transmits and receives the intercom signals using either a multimode or singlemode fiber. 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 (for redundant power supplies) American Fibertek Card Cages.

