

# Audio System For Dukane & 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/Output	25V compatible
Bandwidth	
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	
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
Connector	ST

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

#### Temperature (Operating):

0 °C to +60 °C, non-condensing

#### **Power Supply:**

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

#### Size:

Module - 81/8" x 41/8" x 11/8" Rack Card - 6 1/2" x 1" x 5"

# Ordering information:

Multimode

MT-89D-12VDC Module Transmitter
RT-89D Rack Card Transmitter
MR-89D-12VDC Module Receiver
RR-89D Rack Card Receiver

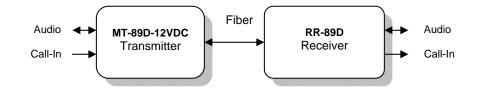
#### Singlemode

MT-89D-12VDC-SL Module Transmitter
RT-89D-SL Rack Card Transmitter
MR-89D-12VDC-SL Module Receiver
RR-89D-SL Rack Card Receiver



The American Fibertek Series 89D fiber optic link is designed to interface with the Dukane STARCall and compatible 25V intercom systems. The Series 89D 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.



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