



89D-12VDC SERIES

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.....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 Time2 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
 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 – 8 " x 4 " x 1 "
 Rack Card – 6 ½" 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

12/2018 vv



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.

