



Single Fiber Transceiver

4 Digital Video, 1 Bi-directional Audio, and 1 Bi-directional Contact Closure

FEATURES:

- Compatible with NTSC; RS-170A, RS-343A and PAL
- Diagnostics: Video, Audio, Power & Optical Presence
- High Speed, Full Duplex Data
- Multi-Protocol Data

SPECIFICATIONS:

Video:(4)

I/O Level 1Vp-p
 I/O Impedance 75 Ω
 Bandwidth 7 MHz
 Differential Gain 2%
 Differential Phase 0.7°
 SNR..... 67 dB
 Connector..... BNC

Audio:

I/O Level (balanced) 0 dBm
 Impedance..... 600 ohms
 Bandwidth 20 Hz to 20 KHz
 THD @ 1 KHz 0.1%
 SNR..... 75 dB
 Connector..... Terminal Block

Contact Closure:

Input Switch Closure to Ground
 Output..... Dry Contact
 Response Time 2 mS
 Max Voltage 100 VDC or Peak AC
 Max Current..... 0.5 A
 Connector..... Terminal Block

Optical:

Wavelength..... 1310/1550 nm
 Loss Budget (62.5/125 μm) 12 dB
 Distance (limited by fiber dispersion).....2 km
 Connector.....ST

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Module – 12 VDC AFI PS-12D+
 Rack Card – AFI SR 20/2

Size:

Module -8 1/8" x 4 1/8" x 1 5/8"
 Rack Card (2 rack slots).....6 1/2" x 2"x 5"



The American Fibertek 94P89 Series transmits 4 high-quality, state of the art digital video, with 1 bi-directional audio channel and 1 bi-directional contact closure channel on multimode optical fiber.

Designed to be completely transparent, this system requires no field adjustments at installation or additional maintenance thereafter. 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 SR20H/2 (redundant power supply).

Product Ordering Information:

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| MT-94P89 | Module Transmitter |
| MR-94P89 | Module Receiver |
| RT-94P89 | Rack Card Transmitter |
| RR-94P89 | Rack Card Receiver |

