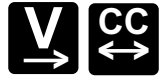


Single Fiber Bi-directional Transceivers One-Way Video & Two-Way Contact Closure



FEATURES:

- Video with Two-Way Contact Closure Utilizing One Singlemode Optical Fiber
- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- PFM Video Transmission
- 12 VAC Standard
- Full Color Transmission

PRODUCT ENHANCEMENTS:

- Additional bi-directional features available for audio, data or contact closure - choice of one.

SPECIFICATIONS:

Video:

I/O Level.....	1 Vpp
I/O Impedance.....	75 Ohms
Bandwidth.....	.8 MHz
Differential Gain.....	.3%
Differential Phase.....	2°
SNR.....	63 dB
Connector.....	BNC

Contact Closure:

Input.....	Switch Closure to Ground
Output.....	Dry Contact
Response Time.....	.2 ms
Voltage.....	100V DC or Peak AC
Current.....	.0.5A
Connector.....	.5 pin screw terminal

Optical:

Wavelength.....	1300/1550 nm
Loss Budget (9/125µ).....	.21 dB
Dynamic Range.....	.21 dB
Connector.....	FC/PC

Temperature (Operating):

-40°C to +75°C, non-condensing

Power Supply:

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

Size:

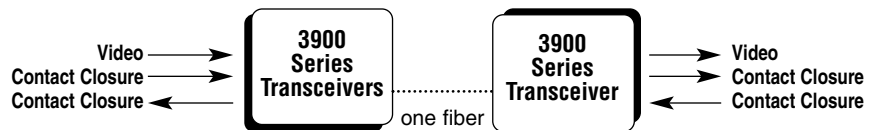
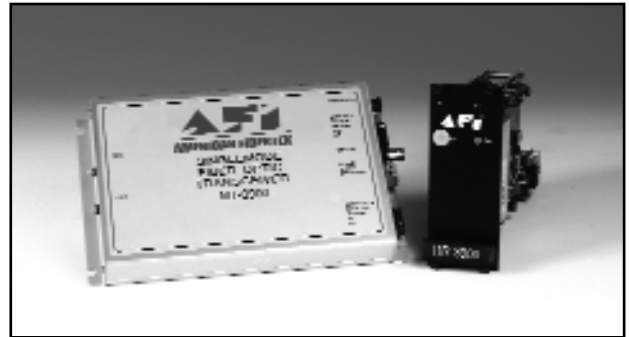
Module - 8" x 6½" x 1½"
Rack Card requires two rack slots - 6½" x 2" x 5"

ORDERING INFORMATION:

MT = Module Transmitter - Video Source
MR = Module Receiver - Control Site
RT = Rack Card Transmitter - Video Source
RR = Rack Card Receiver - Control Site

Example: MT-3900 to RR-3900

The American Fibertek 3900 Series transmits high-quality, simultaneous video and bi-directional contact closure on one singlemode optical fiber. An additional bi-directional audio, data, or contact closure option may be added for enhanced applications. These systems require 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 SR-20R/1.



PRODUCT ENHANCEMENTS:

- 3901 Series -** One-Way Video
 - 1 - channel of bi-directional contact closure
 - Designed for 0 dB to 15 dB optical Loss Budget
- 3920 Series -** One-Way Video
 - 1 - channel of bi-directional contact closure
 - 1 - channel of bi-directional return AD or Bosch Code
 - see product series 3290B**
- 3930 Series -** One-Way Video
 - 1 - channel of bi-directional contact closure
 - 1 - channel of bi-directional RS232
 - see product series 3390**
- 3940 Series -** One-Way Video
 - 1 - channel of bi-directional contact closure
 - 1 - channel of bi-directional RS422
 - see product series 3490**
- 3970 Series -** One-Way Video
 - 1 - channel of bi-directional contact closure
 - 1 - channel of bi-directional TTL
 - see product series 3790**
- 3980 Series -** One-Way Video
 - 1 - channel of bi-directional contact closure
 - 1 - channel of bi-directional Audio
 - Bandwidth of 20 Hz to 10 KHz and THD @ 1 KHz of 1%
 - SNR 55 dB, I/O impedance 600 Ohms balanced.
 - see product series 3890**
- 3990 Series -** One-Way Video
 - 2 - channel of bi-directional contact closure

- **For multimode product equivalent to the 3900 series please see the 1900 series product.**