



**91PxxxxE
Series
Multimode**

One Way Digital Video, (2) 10/100Base-TX Ethernet, & (up to 4) Multi-Protocol Data and/or Contact Closures Transceiver

SPECIFICATIONS:

Video:

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

Ethernet: (2 ports)

Data Rate:
 Auto negotiated 10/100 Mb/s
 Connector RJ45

Optical:

Wavelength 1300/1550nm
 Loss Budget (62.5/125µ) 12 dB
 Distance 2.0 km
 Connector ST

Data : Optional

Interface Selectable Multi-protocol
 Choice of: RS-485 (2 or 4 wire),
 RS-422,
 RS-232
 Manchester
 Format Asynchronous
 Rate DC to 115 Kbit/s
 Connector Terminal Block

Contact Closure: Optional

Input Switch Closure to Ground
 Output Dry Contact
 Response Time 2 mS
 Max Voltage 30 VDC or Peak AC
 Max Current 0.5 A
 Connector Terminal Block

Environmental

Operating Temp -40°C to +75°C
 Storage Temp -40°C to +85°C
 Humidity 0% to 95% (non condensing)
 MTBF >100,000 hours

Power Supply:

Module – 12 VDC (AFI Part # PS-12D)
 Rack Card – AFI SR 20/2

Size:

Module – 8 1/8" x 4 1/8" x 1 5/8"
 Rack Card requires 1 rack slot – 6 1/2"x2"x5"



The American Fibertek 91PxxxxE-SL Series transmits high-quality, state of the art, 10-bit digital video, (2) 10/100Base-TX Ethernet ports, and up to (4) Multi-Protocol (switch selectable) Data and/or Contact Closures on one multimode optical fiber. Diagnostic indicators provide a quick visual indication of system status.

Designed to be completely transparent, this system requires no field adjustments at installation or additional maintenance thereafter.

Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cage: SR-202

Product Ordering Information:

MT-91PxxxxE	Module Transmitter
MR-91PxxxxE	Module Receiver
RT-91PxxxxE	Rack Card Transmitter
RR-91PxxxxE	Rack Card Receiver
Data : x = 5	
Contact Closure : x = 9	

