

Single Fiber 8 Channel Status Control System

**80
SERIES
MULTIMODE
SINGLEMODE**

**CC
8→**

FEATURES:

- 8 Channel Status Control
- Diagnostic: Power, Optical Presence and Channel Indicators
- TTL and/or Dry Contact
- Multimode or Singlemode Option
- High Density DB26 Data Connector

SPECIFICATIONS:

Data:

Logic Levels.....TTL
Contact Closure Rating..... 0.5 A Max,
100 Volt DC or Peak AC Per Channel
Response Time.....2 ms
Connector.....26 dB

Optical:

Wavelength.....850 nm
Loss Budget (62.5/125μ).....17 dB
Connector.....ST

Temperature (Operating):

-20°C to +70°C, non-condensing

Power Supply:

Module - 12 VDC (AFI Part #: PS-12)
Power Consumption.....2 Watts
Rack Card (See AFI Part #: SR-20D/2)
Power Consumption.....3 Watts

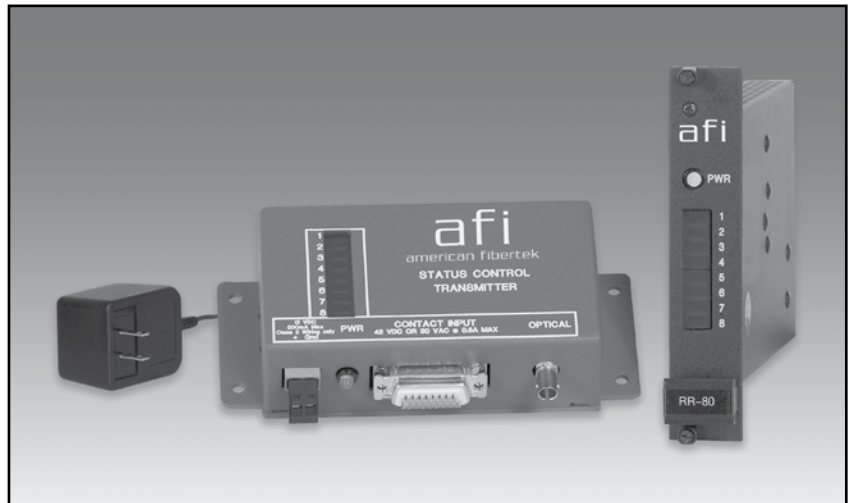
Size:

Module Transmitter - 2 $\frac{5}{8}$ " x 5 $\frac{3}{4}$ " x 1 $\frac{5}{16}$ "
Module receiver - 3 $\frac{3}{4}$ " x 5 $\frac{3}{4}$ " x 1 $\frac{5}{16}$ "
Rack Card - 6 $\frac{1}{2}$ " x 5" x 1"

ORDERING INFORMATION:

MT = Module Transmitter - Signal Source
MR = Module Receiver - Signal Receive
RT = Rack Card Transmitter - Signal Source
RR = Rack Card Receiver - Signal Receive

Example: MT-80 to RR-80

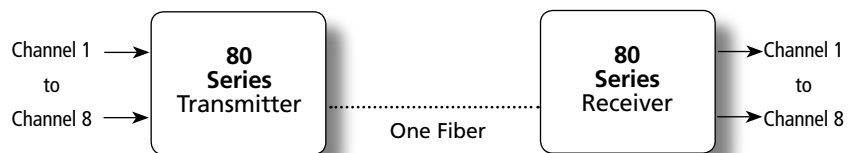


The American Fibertek 80 Series multiplexes up to eight channels of TTL and/or dry contact closure on a one multimode optical fiber. A set of eight LEDs on the transmitter and the receiver units indicates the channel(s) in use. These systems require no field adjustments at installation or additional 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-20D/2 or SR-20R/1.

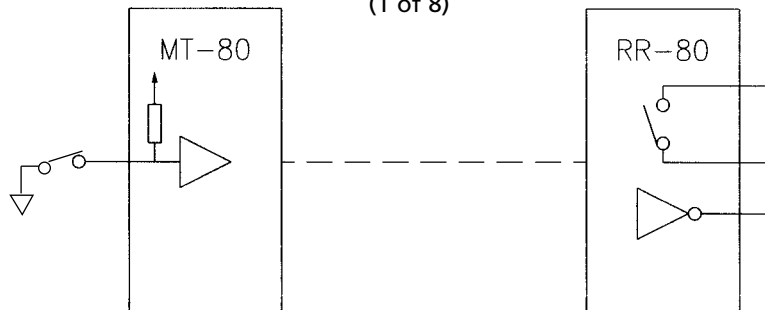
PRODUCT ENHANCEMENTS:

80-13 1300 nm multimode optics with a loss budget of 17 dB @1300nm wavelength

80-S 1300 nm singlemode optics with a loss budget of 17 dB @1300nm wavelength



CONTACT CLOSURE CIRCUIT
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