



4 CHANNEL BI-DIRECTIONAL CONTACT CLOSURE SYSTEM

Features:

- ◆ 4 Channels Bi-Directional, Form-C (Normally Open or Normally Closed) Dry Contact Closure
- ◆ Latching Relays reduce power requirement
- ◆ User-Selectable feature maintains Contact Status through Power-Cycle and Loss-of-Optical-Power.
- ◆ User Control to Reset all Contact Status
- ◆ Diagnostics: Power, Optical Presence and Channel Indicators
- ◆ High Density DB26 Data Connector with Adaptor to screw terminal

Specifications:

Data:

Contact Closure Rating.....0.5A Max.
40 Volt DC or Peak AC Per Channel
Response Time.....5 ms
ConnectorDB26 with Adaptor
to Screw Terminal

Optical:

Wavelength.....1310/1550 nm
Loss Budget (62.5/125µ).....12 dB
ConnectorST

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

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

Size:

Module81/8" x 41/8" x 11/8"
Rack Card 6½" x 5" x 1"

Product Ordering Information:

MTX = Module Transmitter–Signal Source
MRX = Module Receiver–Signal Receive
RTX = Rack Card Transmitter–Signal Source
RRX = Rack Card Receiver–Signal Receive

Example: MTX-81B to RRX-81B



The American Fibertek 81B Series multiplexes 8 total channels (4 in each direction) of dry latching contact closure on one multimode fiber. A user selectable feature allows the contact status to be maintained unchanged or reset through power-cycle and loss-of-optical-power. A reset button is available to clear all contact status to the default state. Individual channel LEDs on the transmitter and the receiver units indicate the channel status.

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 SR-20D/2 or SR-20R/1 AFI Card Cages. **The "Afinety" intelligent remote monitoring system is available on the Rack Card product, please consult factory.**

