



# 81 SERIES MULTIMODE

## 8 CHANNEL CONTACT CLOSURE SYSTEM

CC  
8 -->

### Features:

- ◆ 8 Channels, 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  
Connector ..... DB26 with Adaptor to Screw Terminal

#### Optical:

Wavelength ..... 1310nm  
Loss Budget (62.5/125µ) ..... 12 dB  
Connector ..... ST

#### Temperature (Operating)

-40°C to +75°C, non-condensing

#### Power Supply:

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

#### Size:

Module .....81/8" x 41/8" x 11/8"  
Rack Card (2 rack slots) .....6½" x 5" x 1"

#### Product Ordering Information:

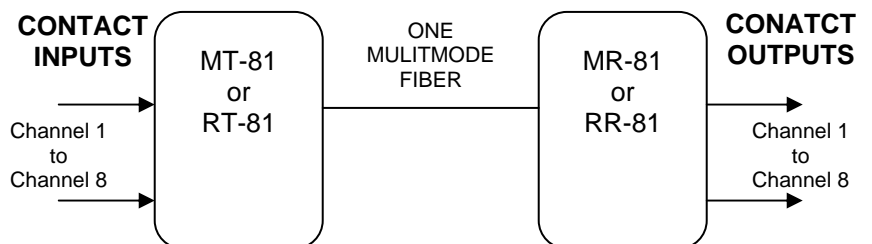
MT = Module Transmitter –Signal Source  
MR = Module Receiver –Signal Receive  
RT = Rack Card Transmitter - Signal Source  
RR = Rack Card Receiver – Signal Receive

**Example: MT-81 to RR-81**



The American Fibertek 81 Series multiplexes 8 channels of dry latching contact closure on one multimode fiber. A user-selectable feature allows the contact status to be maintained unchanged through power-cycle and loss-of-optical-power. A reset button is available to clear all contact status to the default state. A set of 8 LEDs on the transmitter and the receiver units indicates the channel(s) status. These systems require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. **The “Afinety” intelligent remote monitoring system is available on the Rack Card product, please consult factory.**

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.



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