



**81-280  
SERIES  
MULTIMODE**

# 8 CHANNEL CONTACT CLOSURE SYSTEM Non-Latching Relays

**CC  
8 -->**

**Features:**

- ◆ 8 Channels, Form-C (Normally Open or Normally Closed) Dry Contact Closure
- ◆ Non-Latching Relays
- ◆ Diagnostics: Power, Optical Presence and Channel Indicators
- ◆ High Density DB26 Data Connector with Adaptor to screw terminal
- ◆ Singlemode and Bi-directional Models Available
- ◆ 16 Channel Model Available
- ◆ Latching Relay Models Available

**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 (1 rack slot) ..... 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-81-280 to RR-81-280**

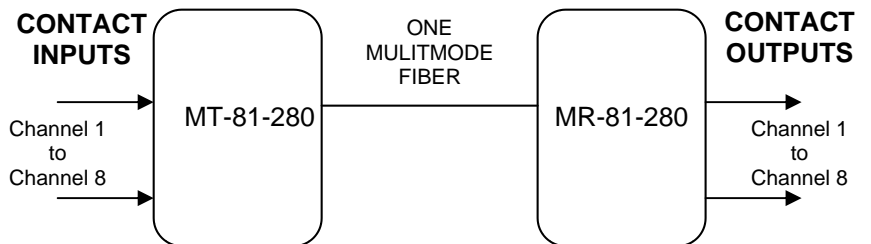


The American Fibertek 81-280 Series multiplexes 8 channels of dry non-latching contact closure on one multimode fiber. Both normally open and normally closed outputs are available. A set of 8 LEDs on the transmitter and the receiver units indicates the channel(s) status.

Non-latching relay outputs will follow the state of the contact inputs under normal operating conditions. If either DC power or the optical power (connection) is lost, the relay outputs will switch to their normally open or closed states.

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.**



12/5/11 JPK