Eight or Sixteen Channel Contact Closure System
With Power Fail Safe Normally Open / Normally Closed Outputs

afi

CC 8→   or   CC 16→

FEATURES:

- 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: DC Power, Optical Presence, and Channel Indicators
- High Density DB26 Data Connector with Adaptor to screw terminal

SPECIFICATIONS:
Contact Closure:

Input............................ .Switch Closure to Ground
Output ....Dry Contact
Response Time...0.5 ms
Maximum Voltage................. 40 VDC or Peak AC
Maximum Current....................................0.5 amp
Connector ....DB 26 with Adaptor
.... To Screw Terminal Block

Optical:

Wavelength .... 1310 nm
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)
   Power Consumption ....3 Watts
Rack Card (See AFI Part #: SR-20D/2)
   Power Consumption ....3 Watts

Size (81 Series):

Module.......................................$8\frac{1}{8}$" x $4\frac{1}{8}$" x $1\frac{1}{8}$"
Rack Card...$6\frac{1}{2}$" x 5" x 1"

Size (82 Series):

Module.......................................$8\frac{1}{8}$" x $4\frac{1}{8}$" x $1\frac{1}{2}$"
Rack Card.......................................$61\frac{1}{2}$" x 5" x 2"
*Note: 82 Series Rack Card Requires Two Slots*

ORDERING INFORMATION:

MT-81 = Module Transmitter- 8 Channel
RT-81 = Rack Card Transmitter- 8 Channel
MR-81 = Module Receiver- 8 Channel
RR-81 = Rack Card Receiver- 8 Channel
MT-82 = Module Transmitter-16 Channel
RT-82 = Rack Card Transmitter-16 Channel
MR-82 = Module Receiver-16 Channel
RR-82 = Rack Card Receiver-16 Channel

THE 81SL SERIES AND 82SL SERIES ARE AVAILABLE FOR SINGLEMODE APPLICATIONS
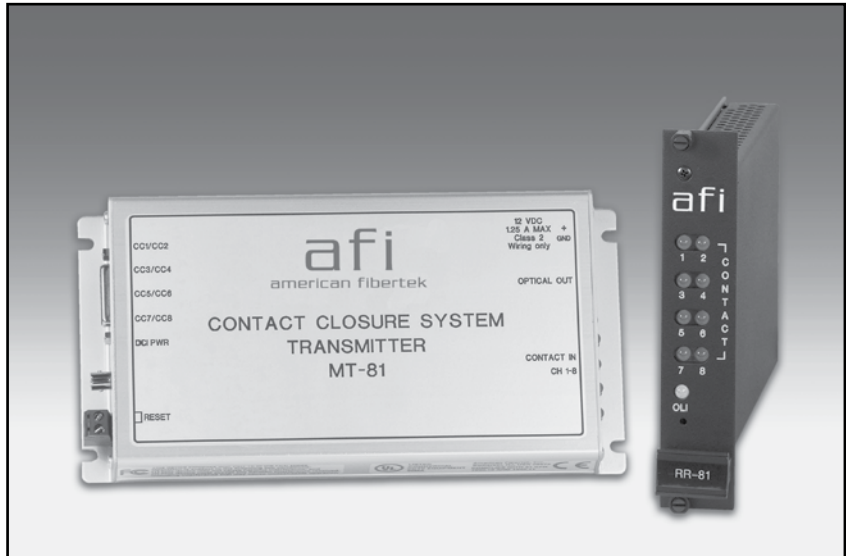
The American Fibertek 81 Series multiplexes 8 channels of dry latching contact closure on one multimode fiber. The American Fibertek 82 Series multiplexes 16 channels of dry latching contact closure on one multimode fiber. A user-selectable feature allows the contact status to be maintained unchanged 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.**
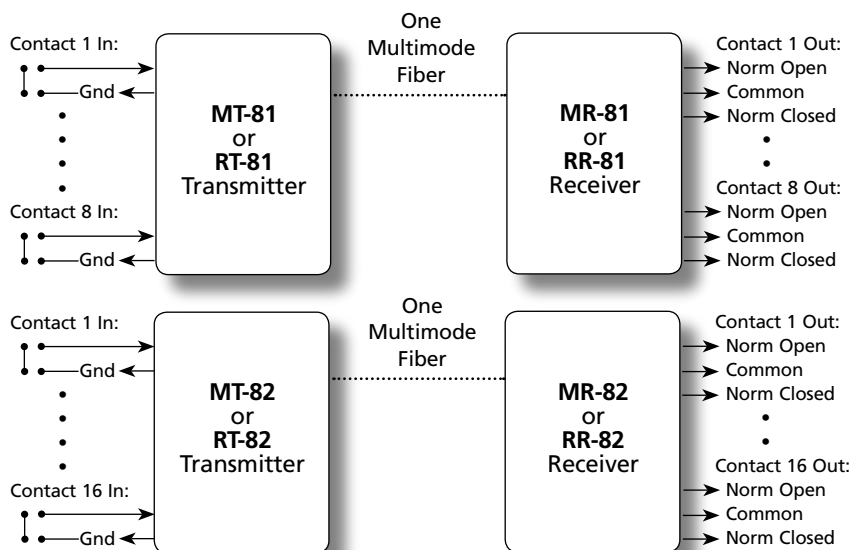
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