



**88SL
SERIES
SINGLEMODE**

**CC
8 -->**

8 CHANNEL "SUPERVISED" EXTERNAL CONTACT CLOSURE SYSTEM

Features:

- ◆ 8 Channels, Form-C (Normally Open or Normally Closed) Dry Contact Closure
- ◆ Diagnostics: Power, Optical Presence and Channel Indicators
- ◆ High Density DB26 Data Connector with Adaptor to screw terminal
- ◆ External Contact Input Supervision

Specifications:

Contact Input:

- Supervised External Contact Closure
- Requires 1Kohm Series resistor near the remote contact
- A Contact State is determined to be open (off) when the voltage at the MT/RT-88SL input differs from a predetermined range
- A Contact State is determined to be closed (on) when the voltage at the MT/RT-88SL input falls within a predetermined range
- If the MT/RT-88SL loses power or the fiber is cut / disconnected, the MR/RR-88SL contacts will open and an alarm condition will be indicated.
- If the MR/RR-88SL loses power or the fiber is cut / disconnected, the MR-88SL/RR-88SL contacts will open and an alarm condition will be indicated.
- TVS Transient Voltage Suppression Diodes (Used on all Contact Inputs)
- Connector.....DB26 with Adaptor to Screw Terminal

Contact Output:

- 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 (9/125µ) 21 dB
- Connector.....FC

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" x1"

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-88SL to RR-88SL

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The American Fibertek 88SL Series multiplexes 8 channels of "supervised input" dry contact closure on one singlemode fiber. A set of 8 LEDs on the transmitter and the receiver units indicates the channel(s) status.

The Contact Input supervision will detect an open connection and a shorted connection as an alarm. The alarm condition is removed only when the Contact Input voltage falls within a predetermined range.

Failsafe operation is provided such that, if the optical power is loss or the transmitter or receiver dc power is loss, the normally open contact outputs will go to the alarm states (open).

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 Cage: SR-20/2

