



Wiegand Data System

FEATURES:

- ◆ Wiegand D0, D1 Data Interface
- ◆ Indicators for Data Tx and Rx
- ◆ Only One Fiber Required
- ◆ Hot Swappable
- ◆ Provides +5V/100mA Output
- ◆ Provides LED/Beeper Status
- ◆ Provides Bi-directional Relays
- ◆ Multimode Version Available

SPECIFICATIONS:

Wiegand:

Data Format D0, D1, Common
LED/Beeper Status
Connectors Terminal Blocks

Contact Closure:

Input..... Switch Closure to Ground
- 5VDC (open), 1mA (closed)
Output (Dry Contact)
- 220VDC / 250VAC / 2.0A
ResponseTime.....2 ms
Connector.....Terminal Block

Optical:

Wavelength: 1310/1550 nm
Source:Laser
Loss Budget (9/125 u) >21 dB
Connector: ST/SC

Power:

Voltage.....12 VDC/ 350mA
Connector 2 Pin Terminal Block

Output Power:

Module Output.....+5Vdc at 100mA
(Power to Card Reader)

Power Supply:

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

Environmental:

Temperature -40°C to 75°C
Humidity..... 5 to 95 %

Physical:

Module 8¹/₈" x 4¹/₈" x 1¹/₈"
Rack Card - One Slot 6¹/₂" x 5" x 1"



The American Fibertek 479SL Series transmits the Wiegand D0, D1 data channels from an access control card reader over a single singlemode optical fiber. In the return direction, 2 channels are available to provide the Wiegand LED / Beeper status to the card reader. Two bi-directional contact channels are also available.

The system is comprised of two transceivers forming a point-to-point communications link. The system is designed to be completely transparent to data protocol.

For ease of installation, 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 American Fibertek Card Cages: SR-20/2, SR-20H/2.

ORDERING INFORMATION:

MTX-479SL = One Fiber Module Multimode ST Connectors 1310nm Tx
MRX-479SL = One Fiber Module Multimode ST Connectors 1550nm Tx
RTX-479SL = One Fiber Rack Card Multimode ST Connectors 1310nm Tx
RRX-479SL = One Fiber Rack Card Multimode ST Connectors 1550nm Tx
For SC optical connector, add -SC. Example MTX-479SL-SC