



**0500(SL)
SERIES
SINGLEMODE/
MULTIMODE**

20mA CURRENT LOOP DATA TRANSCEIVER

(Compatible with the AMAG M2100 DBU and M2150 8DBC Access Control Equipment)

FEATURES:

- ◆ 20mA Current Loop Data Transceiver
- ◆ Diagnostic: LED Power Indicator
 - Tx Data Activity
 - Rx Data Activity
- ◆ Modular Transceiver
- ◆ Singlemode or Multimode Optics
- ◆ Active Output , Passive Input Ports
(ports may be field set active or passive if required)

SPECIFICATIONS:

Data:

Data Rate DC to 19.2 Kb/s
Data interface 0 - 20mA Loop

Passive Input - Forward Current

Mark2.0 mA max
Space14 mA min
Space24 mA max

Passive Output

Maximum Supply Voltage 24V

Active Input / Output

Short Circuit Current 85 mA Max

Optical:

Singlemode:

Wavelength1310/1550 nm
Loss Budget >21 dB
Connector ST

Multimode:

Wavelength1310/1550 nm
Loss Budget >15 dB
Connector ST

Temperature

Operating -40°C to +75°C, non-condensing

Power Supply:

Module: +12 VDC @ 250mA

Size:

Module 4¼" x 4¼" x 1⅛"

Ordering information:

Singlemode:

MT-0500SL Module Transceiver Active I/O
MR-0500SL Module Transceiver Active I/O

Multimode:

MT-0500 Module Transceiver Active I/O
MR-0500 Module Transceiver Active I/O



The American Fibertek 0500(SL) Series is a low cost, low profile 20mA current loop data transceiver system. Data transmit and receive is accommodated on one singlemode or multimode optical fiber.

These products are compatible with the AMAG M2100 DBU and M2150 8DBC access control equipment. The 0500SLs are factory set to be passive inputs and active outputs.

However, the units have internal jumpers to allow independent field setting of the inputs and outputs to either active or passive, if required.

Transceivers are packaged in compact extrusions.

