

# Single Fiber Bi-directional Transceiver One Two-Way Data Channel



**FEATURES:**

- Single Channel Bi-directional Data Utilizing One Multimode Optical Fiber.
- Diagnostic: Power and Optical Presence
- 24 VAC Standard
- No User or Installation Adjustments

**SPECIFICATIONS:**

**Sub-Carrier Options:**

**Data for RS232 (0300 Series):**

Data Rate .....up to 19.2 Kbps  
Data Connector .....5 pin screw terminal

**Data for RS422 (0400 Series):**

Data Rate .....up to 19.2 Kbps  
Data Connector .....5 pin screw terminal

**Data for TTL (0700 Series):**

Data Rate .....up to 19.2 Kbps  
Data Connector .....5 pin screw terminal

**Audio (0800 Series):**

I/O Level .....0 dBm  
I/O Impedance .....600 Ohms Balanced  
Bandwidth .....20 Hz to 20 KHz  
THD @ 1 KHz .....1%  
SNR .....55 dB  
Connector.....5 pin screw terminal

**Contact Closure (0900 Series):**

Input .....Switch Closure to Ground  
Output .....Dry Contact  
Response Time .....2 ms  
Connector.....5 pin screw terminal

**Optical:**

Wavelength Data.....850/1300 nm  
Loss Budget (62.5/125µ) .....12 dB  
Connector .....ST

**Temperature (Operating):**

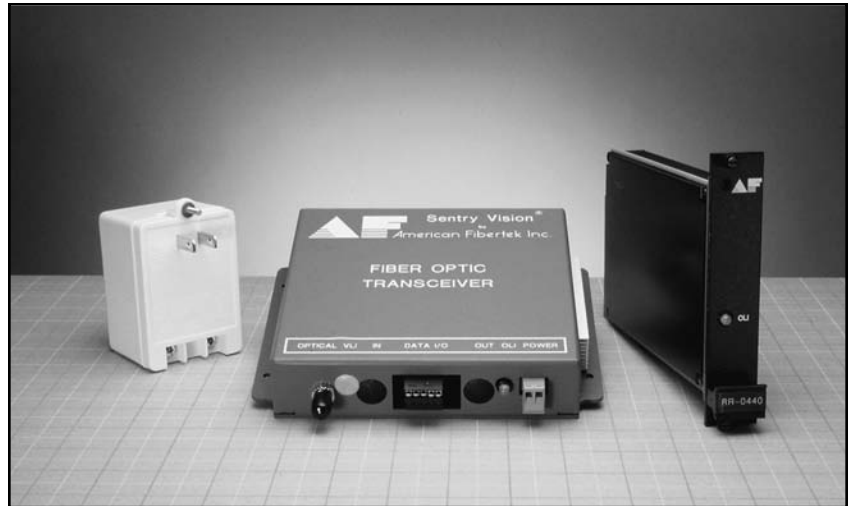
-40°C to +75°C, non-condensing

**Power Supply:**

Module 24 VAC (AFI Part #: PS-24)  
Rack Card (See AFI Part #: SR-20/2)

**Size:**

Module - 5¼" x 6¼" x 1¾"  
Rack Card requires one rack slot - 6½" x 1" x 5"

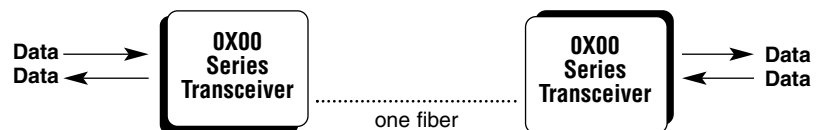


The American Fibertek OX00 Series transmits a single channel of full duplex data on one multimode optical fiber. Designed to be completely transparent, these systems require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages: SR-20/2 or SR-20R/1.

**ORDERING INFORMATION:**

- MT = Module Transceiver - Data Input/Output
- MR = Module Transceiver - Data Output/Input
- RT = Rack Card Transceiver - Data Input/Output
- RR = Rack Card Transceiver - Data Output/Input

**Example:** MT-0300 to RR-0300 - RS232  
MT-0400 to RR-0400 - RS422  
MT-0700 to RR-0700 - TTL  
MT-0800 to RR-0800 - Audio  
MT-0900 to RR-0900 - Contact Closure



- For singlemode product equivalent to the OX00 series please see the OX00SL series product.