

# MOD6-R

Fiber Optic Din Rail Mounted Multiplexer  
RS232, RS422, RS485, Contact Closure

## Applications

- Pipeline and wellhead monitoring
- Factory Process Control
- SCADA systems
- Long Distance Data Communications
- Traffic Control



## Description

The environmentally hardened MOD6-R is a point-to-point serial data multiplexer which facilitates remote monitoring of equipment on your fiber network. It works over multimode or singlemode fibers without adjustment. Redundant optics and redundant power supply inputs allow for highly reliable links.

The available interfaces are as follows:

- Eight channel relay contact sense/close.
- Four channel RS232 each with a CTS/RTS control line.
- Four channel 4-wire RS422 or 2-wire RS485.
- Three Channel RS232 and one channel RS422 for timing.

## Features

- DIN Rail Mounted
- Screw Terminal or RJ45 signal I/O
- A variety of interfaces
- Data rate and format transparent
- Inherent single or multimode operation
- Redundant optic and power input
- Remote/Local Loopback
- Very long operating distance
- Redundant Power Connection
- Operates in extreme temperatures
- EMI/RFI immune
- Five year warranty

## Specifications

### Optical

Light source .....	850 nm LED M version
	1300 nm SLED MM version
	1300 nm ELED SM version
Optical Sensitivity .....	-51 dBm (10-9 BER)
Optical Connectors .....	ST

### Operating distance typical

M version -18dBm launch, 62.5/125 fiber, 3 dB loss/km .....	11 Km
M version -36dBm launch, 9/125 fiber, 2 dB loss/km .....	7 Km
MM version -18dBm launch, 62.5/125 fiber, .7 dB loss/km .....	47 Km
MM version -37dBm launch, 9/125 fiber, .4 dB loss/km .....	35 Km
SM version -18dBm launch, 9/125 fiber .4 dB loss/km .....	82 Km

# MOD6-R

## Fiber Optic Din Rail Mounted Modem



### Specifications (continued)

#### Data RS232 and RS485

Data rate (1 channel mode) .....	DC to 256 kbps
Data rate (2 channel mode) .....	DC to 128 kbps
Data rate (4 channel mode) .....	DC to 68 kbps
Data rate of each RS232 control channel .....	DC to 4.5 kbps

#### Power Supply Input

Option 0, 12 VDC .....	12 - 16 VDC, < 200 mA
Option 1, 12 VDC isolated input.....	9 - 18 VDC, < 270 mA
Option 2, 24 VDC isolated input.....	18 - 36 VDC, < 135 mA
Option 3, 48 VDC isolated input.....	36 - 62 VDC, < 70 mA
Mains supply for Option 0, 12 VDC cube .....	90-264 VAC, 50-60 Hz
Power consumption.....	< 2.4W

#### General

Operating temperature.....	- 40°C to 74°C
Humidity (RH) .....	10% to 95%
Dimensions (H * W * D).....	4.3 * 13 * 11 cm

### Part Numbers

MOD6 - XX - X - X - X - X

