B&B ELECTRONICS

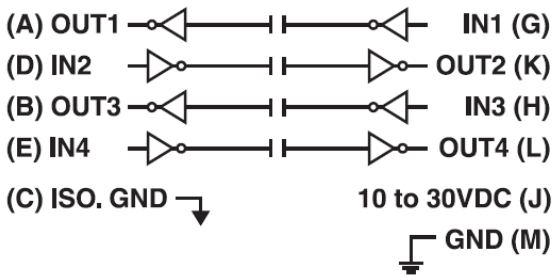
PRODUCT INFORMATION

232OPDR

RS-232 Isolated Repeater

- ✓**Extend RS-232 Data another 50 ft (15.2 m)**
- ✓**2000V Optically Isolated Data Lines**
- ✓**-40 to 80°C Operating Temperature**
- ✓**Complies with NEMA TS1 & TS2 Environmental requirements for Traffic Control Equipment**

The 232OPDR is a DIN Rail mountable RS-232 optical isolator and repeater. It provides 2000 V Isolation for four RS-232 signal lines, two in each direction. The isolator has four LED's to show data flow and one LED to indicate power. Connections are made to a terminal block. The isolation provides protection for computer equipment from ground loops and induced currents caused by lightning or heavy electrical loads. It also functions as a repeater to extend RS-232 signals another 50 feet. The 232OPDR can support two data pairs or one data pair plus control signals in both directions.



Specifications

RS-232	
Connector	Terminal Block
Signals	4 signal lines in each direction Protected ground on Isolated side
Isolation	
Method	Optical
Rating	2000 V
Power	
Connector	Terminal Block
Voltage	10 to 30 VDC
Power Consumption	1.2 W
Source	External
Terminal Blocks	
Wire Size	24 to 14 AWG
Torque	4 kgf-cm
LED Indicators	
DATA LEDs (RED)	Data LED for each side of isolator Flashes when data transmitted
Power LED (RED)	ON when Power Applied
Enclosure	
Material	Plastic
IP Rating	30
Dimensions	1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm)
Mounting	35 mm DIN (Panel Mount Adapter is available)
Environmental	
Operating Temperature	-40 to 80 C (-40 to 176 F)
Storage Temperature	-40 to 85 C (-40 to 185 F)
Operating Humidity	0 to 95% Non-condensing
MTBF	244689 hours
MTBF Calculation Method	MIL217F Parts Count Reliability
NEMA TS1 & TS2	Complies with NEMA TS1 & TS2 Environmental requirements for Traffic Control Equipment
Agency Approvals	CE, FCC cULus Recognized, File E222870
Ordering Information	
Model Number	232OPDR
Power Supply	An external source is required. MDR-20-24 Recommended
Panel Mount Adapter	DRPM25

B&B ELECTRONICS

www.bb-elec.com orders@bb-elec.com support@bb-elec.com

International Office: 707 Dayton Road PO Box 1040 Ottawa, IL 61350 USA 815-433-5100 Fax 433-5104
European Office: Westlink Commercial Park Oranmore Co. Galway Ireland +353 91 792444 Fax +353 91 792445