

RS-232 2kV Isolated Repeater

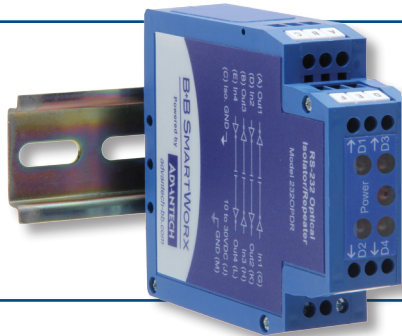
Model 232OPDR

B+B SMARTWORX

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PRODUCT FEATURES

- Extend RS-232 data another 15.2 m (50 ft)
- 2,000V optically isolated data lines
- -40 to +80 °C wide operating temperature
- DIN rail mounting
- UL Recognized
- NEMA TS2

Model 232OPDR is a DIN rail mountable RS-232 optical isolator and repeater. It provides 2,000 V isolation for four RS-232 signal lines (two in each direction). The isolator has four LEDs to indicate 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 15.2 meters (50 ft.). Model 232OPDR can support two data pairs or one data pair plus control signals in both directions.

ACCESSORIES - optional, sold separately

MDR-20-24 - DIN rail mount power supply 24VDC, 1.0 A output power

MDR-40-24 - DIN rail mount power supply 24VDC, 1.7 A output power

DRPM25 - 35mm DIN rail to panel mount bracket, 25mm wide

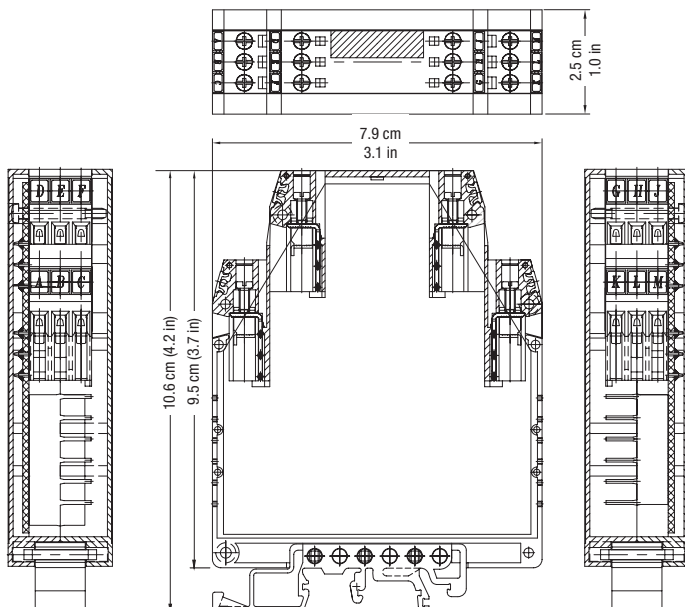
EK-CLIP-MPC - DIN rail clip for enclosure

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
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SPECIFICATIONS

RS-232	
Connector	Terminal Block
Signals	4 signal lines in each direction. Protected ground on isolated side.
ISOLATION	
Method	Optical
Rating	2,000 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	2.5 x 7.9 x 9.5 cm (1.0 x 3.1 x 3.7 in)
Mounting	35 mm DIN (panel mount adapter 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
Meantime Before Failure (MTBF)	244689 hours
MTBF Calculation Method	MIL217F Parts Count Reliability
APPROVALS, DIRECTIVES, STANDARDS	
CE, FCC, NEMA TS2 cULus Recognized, File E222870	



All product specifications are subject to change without notice.
232OPDR_2118ds