

232OPDRI

Industrial RS-232 Isolated Repeater

- ✓ Supports Data Rates up to 115.2 Kbps
- ✓ Wide -40 to 80°C Temperature Range
- ✓ 10 to 48 VDC Input Power Range
- ✓ 2000 V 3-Way Optical Isolation
- ✓ UL Class 1 DIV 2 Listed



The 232OPDRI is our premium Industrial RS-232 Isolated Repeater. Designed for rugged industrial environments, it is UL listed and certified for use in Class 1 Division 2 locations. Powerful Optical Isolation on both data ports protects your equipment and data from damaging ground loops and surges. Additional isolation on the power supply circuits adds a third degree of protection.

Packaged in a rugged plastic case, this repeater operates in wide temperature extremes. With a 35mm DIN rail mounting bracket, the 232OPDRI is easy to integrate into your control panel or other industrial equipment.

Installation and configuration is easy. Data is connected with a DB9 female connector (DCE) and a DB9 male connector (DTE). Power is connected through terminal block that accepts 10 to 48 VDC from any external source.

Remember, when it comes to reliable communications in harsh duty industrial locations, B&B Electronics ILinx™ Brand is you number one choice.

Specifications

Serial Technology	
Serial Connector	DB9 F (DCE), DB9 M (DTE)
Data Rate	Up to 115.2 Kbps
Isolation	2KV RMS, 1 Minute
Power	
Source	External
Power Connector	2 Position, Removable Terminal Block
Input Voltage	10 to 48 VDC (56 VDC Maximum)
Power Consumption	0.6 Watts (typical)
Terminal Block	
Wire Size Accepted	28 to 12 AWG
Pitch	5.08 mm
Insulation Resistance	≥500 MΩ @ 500 VDC
Maximum Torque	5 Kg / cm
Indicators	
Power	Red LED
Data	Red LED TD, RD, CTS, RTS
Mechanical	
Dimensions	4.9 x 4.5 x 1.3 in (12.3 x 11.3 x 3.2 cm)
Enclosure	IP 30 Plastic, 35 mm DIN Mount
Weight	0.43 lbs (195 g)
MTBF	177250 Hours
MTBF Calc. Method	Parts Count Reliability Prediction
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
Regulatory	
Approvals	FCC, CE, UL,, UL Class 1 DIV 2, Groups A, B, C, D
UL File	E222870 (HAZLOC E245458)
Ordering Information	
232OPDRI	Industrial RS-232 Isolated Repeater
Required but Not Included	
Power Supply	MDR-20-24 or PS5R-SC24 (C1 D2)

