



Model: 232OPDR
**Industrial DIN Rail Mounted
 Optically Isolated RS-232 Repeater**



Features

- ✓ **2000 V Optical Isolation.**
- ✓ **DIN Rail Mounted.**
- ✓ **Wide Temperature Range.**
- ✓ **Modbus Compatible.**
- ✓ **Terminal Block Connections.**

Functional Description

The 232OPDR is a DIN Rail mountable RS-232 optical isolator. It provides 2KV 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 232OPDR is ideal for industrial environments. The 2000 V isolation provides protection for computer equipment from ground loops and induced currents caused by lightning, heavy equipment, or high voltage power lines. Additionally, the isolator can act as a repeater to extend RS-232 signals beyond 50 feet. The signal lines support either two data lines in each direction, or one data line and one handshake line in each direction.

Ordering Information

Model Number	Description
232OPDR	RS-232 2-way optical isolator / repeater
Accessories	
PS5R-A12	DIN Rail Power Supply, 12 VDC
PS5R-A24	DIN Rail Power Supply, 24 VDC



International Headquarters: 707 Dayton Road PO Box 1040 Ottawa, IL 61350 USA
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Figure 1 – Mechanical Drawing

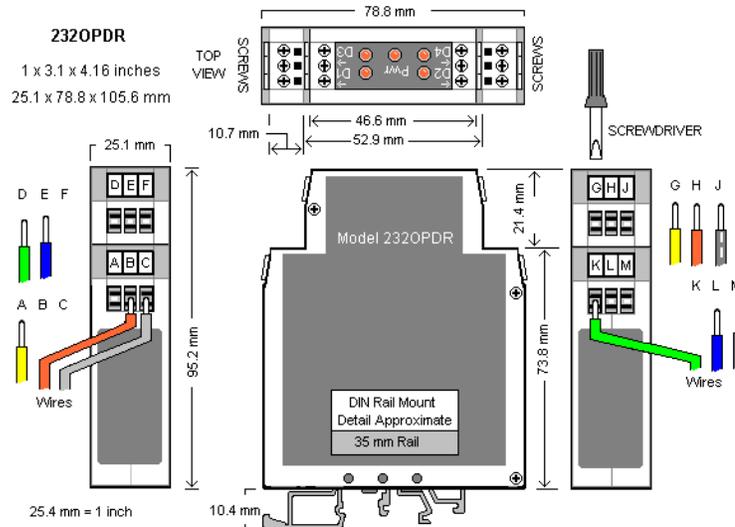
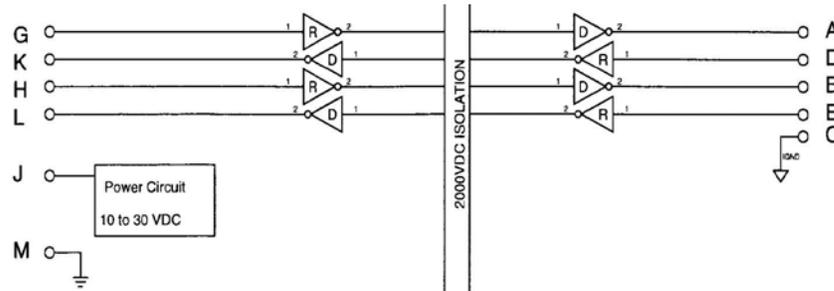


Figure 2 – Block Diagram



Specifications

Dimensions	25x79x106mm (1x3.1x4.2 in)
Temperature Range	-40 to +80 C (-40 to 176 F)
Input Power	+10 to 30 VDC
Data Rate	Up to 115.2 kbps
Connectors	Terminal Block
Isolation	2000 V
LED Indicators	4 Data Flow, 1 Power

DECLARATION OF CONFORMITY

Manufacturer's Name: B&B Electronics Manufacturing Company
 Manufacturer's Address: P.O. Box 1040
 707 Dayton Road
 Ottawa, IL 61350 USA
 Model Numbers: 232OPDR
 Description: Industrial RS-422/485 Isolator/Repeater
 Type: Light industrial ITE equipment
 Application of Council Directive: 89/336/EEC
 Standards: EN 55022
 EN 61000-6-1
 EN 61000 (-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11)

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