2320PDR

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



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.

(A) OUT1	——√— IN1 (G)
(D) IN2 ->	— ◯ OUT2 (K)
(B) OUT3	— < IN3 (H)
(E) IN4 → → — —	— > ⊶ OUT4 (L)
(C) ISO. GND —	10 to 30VDC (J)
•	GND (M)

Specifications		
RS-422/485		
Connector Signals	Terminal Block 4 signal lines in each direction Protected ground on Isolated side	
Isolation		
Method Rating	Optical 2000 V	
Power		
Connector Voltage Power Consumption Source	Terminal Block 10 to 30 VDC 1.2 W External	
Terminal Blocks		
Wire Size Torque	24 to 14 AWG 4 kgf-cm	
LED Indicators		
4 DATA LEDs (RED) Power LED (RED)	Data LED for each side of isolator Flashes when data transmitted ON when Power Applied	
Enclosure		
Material IP Rating Dimensions Mounting	Plastic 30 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available)	
Environmental		
Operating Temperature Storage Temperature Operating Humidity	-40 to 80 C (-40 to 176 F) -40 to 85 C (-40 to 185 F) 0 to 95% Non-condensing	

244689 hours

CE, FCC

232OPDR

DRPM25

MIL217F Parts Count Reliability

cULus Recognized, File E222870

An external source is required.

MDR-20-24 Recommended



MTBF Calculation Method

Agency Approvals

Model Number

Power Supply

Ordering Information

Panel Mount Adapter







