

# RS-232 2kV Isolated Repeater

## 2320PDR



The 2320PDR 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 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 15.2 meters (50 ft.). The 2320PDR can support two data pairs or one data pair plus control signals in both directions.

### PRODUCT FEATURES

- Extend RS-232 data another 15.2 m (50 ft.)
- 2,000V optically isolated data lines
- -40 to +80°C operating temperature
- Terminal block connections
- UL Recognized
- NEMA TS2

### ORDERING INFORMATION

| MODEL NUMBER | DESCRIPTION                  |
|--------------|------------------------------|
| 2320PDR      | RS-232 2kV Isolated Repeater |

### 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  |
| MTBF                    | 244689 hours   |
| MTBF Calculation Method | MIL217F Parts Count Reliability                                      |
| REGULATORY              |  |
| Approvals               | CE, FCC, NEMA TS2<br>cULus Recognized, File E222870                  |

### ACCESSORIES

- 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

