**Features**
- Extends RS-232 data another 15 meters
- 2,000V optical isolation on data lines
- Up to 115.2 kbps data rate
- Supports 2 data pairs or 1 data pair with control signals in both directions
- -40 to +80 °C wide operating temperature
- DIN rail mount, IP30 case
- UL Recognized
- 10-30 Vdc power (power supply required not included sold separately)

**Specifications**

**RS-232**
- **Connector** Terminal Block
- **Signals** 4 signal lines in each direction, protected ground on isolated side
- **Data Rate** 115.2 kbps

**Isolation**
- **Method** Optical
- **Rating** 2000 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** IP30
- **Dimensions** 2.5 x 7.9 x 9.5 cm
- **Mounting** 35 mm DIN (panel mount adapter available)

**Environmental**
- **Operating Temperature** -40 to +80 °C
- **Storage Temperature** -40 to +85 °C
- **Operating Humidity** 0 to 95% Non-condensing

**Meantime Between Failures (MTBF)**
- **MTBF** 244689 hours
- **MTBF Calculation Method** MIL817F Parts Count Reliability

**Approvals, Directives, Standards**
- CE, FCC, RoHS, KCC
- cULus Recognized
- **EU - Directives**
  - 2014/30/EU – Electromagnetic Compatibility Directive
  - 2012/19/EU – Waste Electrical & Electronic Equipment (WEEE)
- **EU - Standards**
  - EN 55032 Class B – Electromagnetic Compatibility of Multimedia Equipment – Emission Requirements
  - EN 55024 – Information Technology Equipment – Immunity Characteristics – Limits and Methods of Measurement

**Ordering Information**
- **BB-2320PDR** RS-232 Repeater, Industrial
- **Accessories – sold separately**
  - **BB-MDR-20-24** DIN rail mount power supply 24 Vdc, 1.0 A output power

**Dimensions**

![Dimensions Diagram](image-url)