

BB-485DRCI-PH

Heavy Industrial RS-232 to RS-422/485 Isolated Converter



Introduction

Model BB-485DRCI-PH is a premium, heavy industrial RS-232 to RS-422/485 isolated converter. Designed for rugged industrial environments, it has been put through some of the most exacting compliance tests in the industry. Meeting the requirements of IEC 61850-3 and IEEE 1613, it is suitable for installation in electrical substations. These specifications are more stringent than the NEMA TS1/TS2 requirements for transportation applications.

Powerful isolation on both data ports protects equipment and data from damaging ground loops and surges. Additional isolation on the power supply circuits adds a third degree of protection. An external power supply is required (not included, sold separately).

Packaged in a rugged IP30 metal case, it converts unbalanced, full or half-duplex RS-232 signals to balanced RS-422/485 signals. Featuring Automatic Send Data Control circuitry, it does not require special software control of handshake signals in RS-485 mode. Bit-wise enabled circuitry automatically detects the data rate without setting a DIP switch.

Features

- Converts RS-232 data signals to RS-422/RS-485
- 2 KV 3-way isolation (input/output/power)
- Data rate: 1.2 to 115.2 Kbps
- Wide operating temperature: -40 to +85 °C
- Rugged IP30 metal panel mount case
- 10-48 Vdc power (external power supply required, sold separately)
- UL Class 1/Division 2

Ordering Information

Model No.	Description
BB-485DRCI-PH	Heavy Industrial RS-232 to RS-422/485 Isolated Converter

Accessories – Sold Separately

BB-MDR-40-24 – Power Supply, 24 Vdc, 1.7 A output power, DIN rail mount

BB-TBKT1 – Replacement terminal block, 2-position, 5.08mm, 8A, 300V

BB-TBKT2 – Replacement terminal block, 5-position, 5.08mm, 8A, 300V

