

232CLDR

Isolated RS-232 to Current Loop Converter

- ✓ Converts RS-232 to 20mA Current Loop
- ✓ 2000V Optical Isolation
- ✓ One Transmit & One Receive Current Loop
- ✓ Current Loops can be set to Active or Passive
- ✓ -40 to 80°C Operating Temperature



The 232CLDR is a DIN Rail mountable RS-232 to Current Loop Converter. It has one optically isolated 20 mA transmit loop and one optically isolated receive loop. Each loop can be set to either “Active” or “Passive.” When set to “Active” an isolated 20 mA current is supplied for each loop (transmit and receive). One 10 to 30 VDC power supply provides power to the converter and both current loops.

The 232CLDR communicates at baud rates up to 19.2 kbps and can extend communications up to 2000 feet (600 meters). 2000V Optical Isolation protects equipment from damaging ground loops and surges. Two LED’s indicate data flow. Connections are made to a terminal block.

Specifications

RS-232	
Connector	Terminal Block
Signals	TD, RD, GND
Current Loop	
Signals	T+, T-, R+, R-, GND
Isolation	
Method	Optical
Rating	2000 V
Power	
Connector	Terminal Block
Voltage	10 to 30 VDC
Power Consumption	2.5 W
Source	External
Terminal Blocks	
Wire Size	24 to 14 AWG
Torque	4 kgf-cm
LED Indicators	
2 DATA LEDs (RED)	Data LEDs for RS-232 & Current Loop flash when data transmitted
Enclosure	
Material	Plastic
IP Rating	20
Dimensions	1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm)
Mounting	35 mm DIN (Panel Mount Adapter is 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	401834 hours
MTBF Calculation Method	MIL217F Parts Count Reliability
Agency Approvals	
	CE, FCC cULus Recognized, File E222870
Ordering Information	
Model Number	232CLDR
Power Supply	An external source is required. MDR-20-24 Recommended
Panel Mount Adapter	DRPM25

PRODUCT INFORMATION

B&B ELECTRONICS

