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PRODUCT INFORMATION

485OP

Optically Isolated RS-422/485 Repeater



- ✓**2 KV Isolation**
- ✓**Power Supply Included**
- ✓**Modbus**
- ✓**RS-422 or 2-Wire & 4-Wire RS-485**
- ✓**UL Recognized**

Model 485OP is an optically isolated RS-422/485 signal repeater. In addition to offering 2KV isolation on the data lines, it can be used to extend your RS-422/485 circuit an additional 4,000 ft, doubling the range. An added benefit is that you are able to add another 32 nodes to your RS-485 network and join 2 and 4 wire systems.

The compact design lets you fit this repeater almost anywhere. Terminal blocks allow easy installation. A 12 VDC wall transformer power supply is included with convenient stripped and tinned leads.

Serial Protocols	
	RS-422 RS-485 4-Wire RS-485 2-Wire
Isolation	
Lines Protected	Data Lines
Method	Optical
Rating	2000 V
Surge Suppression	
Lines Protected	Data Lines
Method	TVS
Rating	6.5V bi-directional 600W peak power dissipation
Industrial Bus	
	MODBUS ASCII/RTU
Power	
Connector	Terminal Block
Voltage	10 to 14 VDC
Power Consumption	1.0 W
Source	Included Wall Transformer or other 10 to 14 VDC Source
Included Wall Transformer Power Supply	
Input Voltage	120 VAC
Plug Style	US
Output Voltage	12 VDC @ 500 mA
Output connection	Leads stripped and tinned
Terminal Blocks	
Wire Size	22 to 14 AWG
Torque	0.5 Nm
LED Indicators	
2 x DATA (RED)	Flashes when data received
Enclosure	
Material	Plastic
IP Rating	30
Dimensions	3.8 x 2.4 x 1.0 in (9.7 x 6.1 x 2.5 cm)
Mounting	In line
Environmental	
Operating Temperature	0 to 55 C (32 to 131 F)
Operating Humidity	0 to 95% Non-condensing
MTBF	453103 hours
MTBF Calculation Method	Parts Count Reliability Prediction
Agency Approvals	
	CE, FCC cULus Recognized, File E222870 Declaration of Conformity available for download at www.bb.elec.com
Ordering Information	
Model Number	485OP
Replacement P. Supply	485PS4

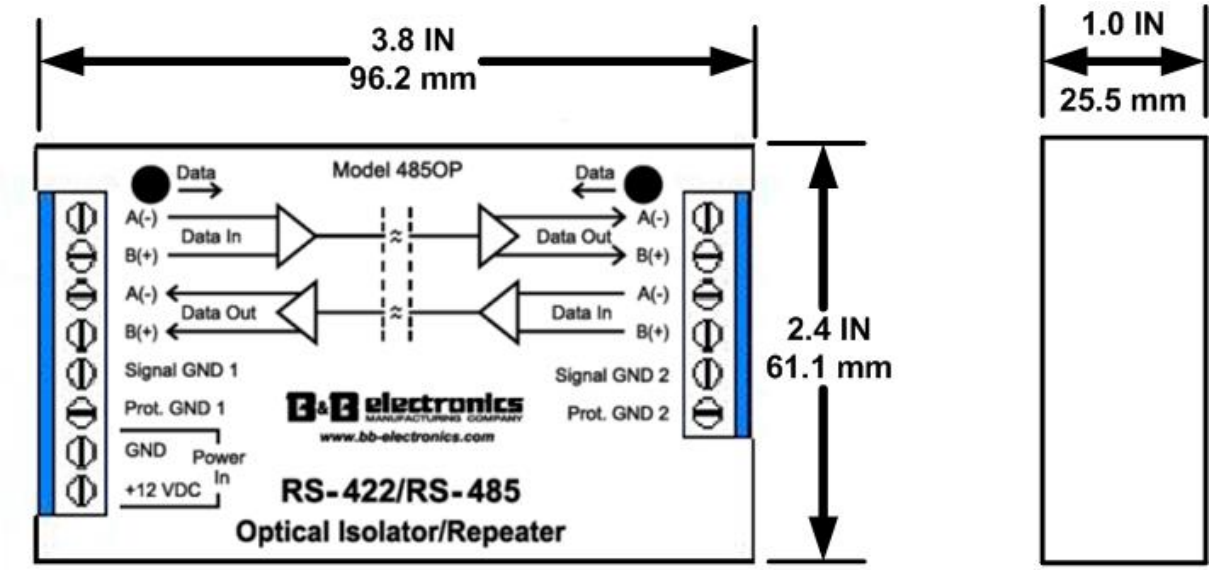
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