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N CHANNEL BRIDGE COMPLETION BOXES WITH 3 WIRE, ¼ BRIDGE AND 3 WIRE, ½ BRIDGE TOPOLOGIES MODEL BRC_N

The BRC12_N implements N channels of bridge completion. Channels within the same box can be wired for either 3 wire, ¼ bridge configuration or 3 wire, 1/2 bridge configuration (see figure 1). The boxes are available with 1, 3, 5, or 10 channels (N).

The box provides both an input and output connector (transducer side connector and data acquisition side connector) to simplify wiring. The connectors are sized to the number of channels as is the mechanical package (see table 1).

TABLE 1

<u>N</u>	<u>MODEL NUMBER</u>	<u>INPUT CONNECTOR</u>	<u>OUTPUT CONNECTOR</u>	<u>L*W*H</u>
1	BRC12_1	DE9P, D SUB	DE9S, D SUB	2''*1.5''*0.7''
3	BRC12_3	DE15P, D SUB HD *	DE15S, D SUB HD *	2''*1.5''*0.7''
5	BRC12_5	DE25P, D SUB	DE25S, D SUB	2''*2.4''*0.7''
10	BRC12_10	DE50P, D SUB	DE50S, D SUB	2''*3''*0.8''

* D SUB HIGH DENSITY

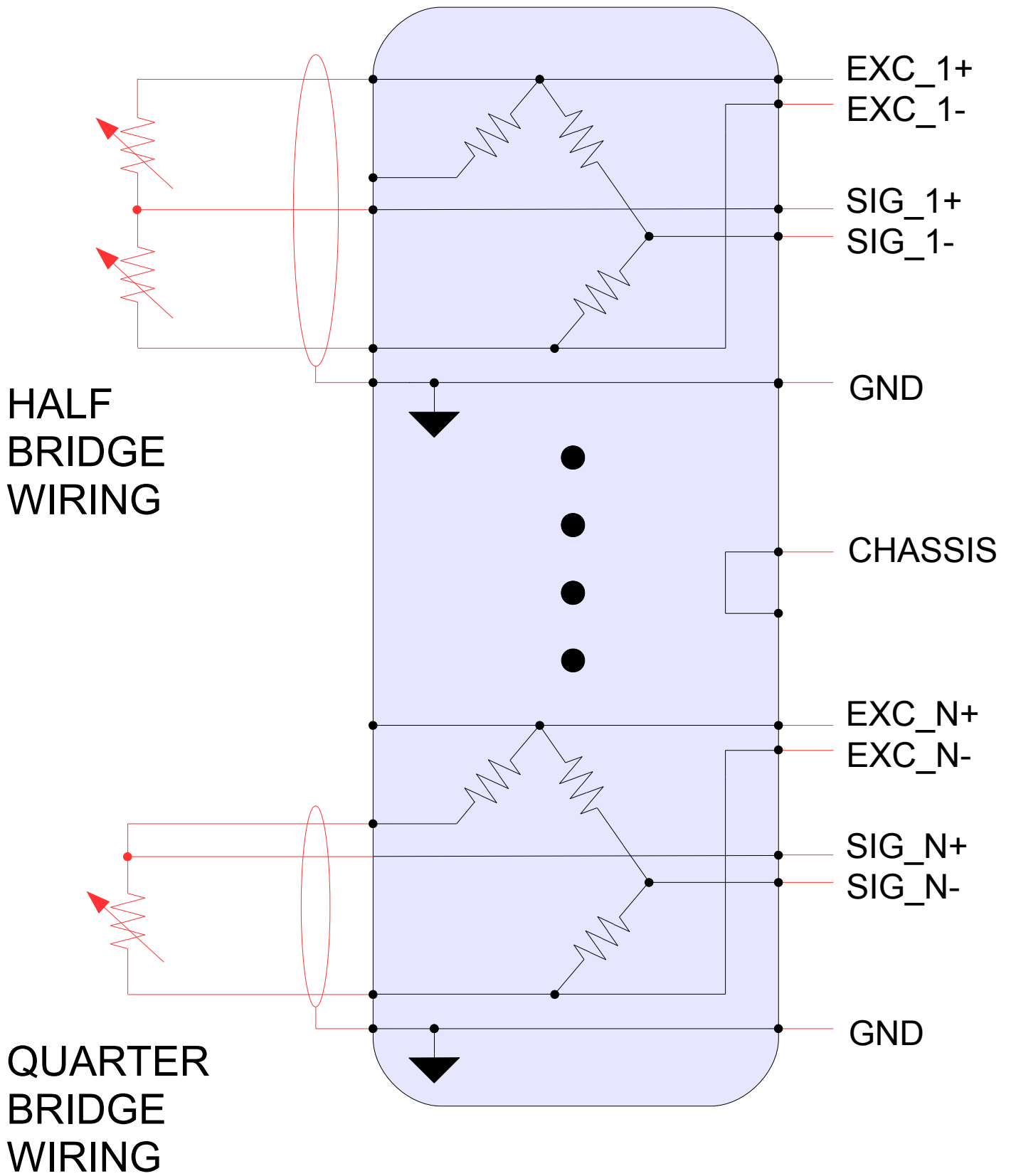


FIGURE 1

Electrical Specifications:

Standard Resistor Values: 120 ohms, 350 ohms, 1k ohms, 10k ohms **

Standard Resistor Characteristics: 0.5 watt, 0.1% tolerance, 25 ppm **

** Note: Other resistor values and characteristics may be specified.

Environmental:

Operating Temperature:	-40°C to +85°C
Storage Temperature:	-55°C to +125°C
Humidity:	Relative humidity of 85% for two hours at 65°C.
Altitude:	Unlimited
Vibration:	20g's RMS from 5 to 2000Hz in each major axis.
Acceleration:	Constant acceleration of 100g's in each axis.
Shock:	100g's for 10m second in each major axis.