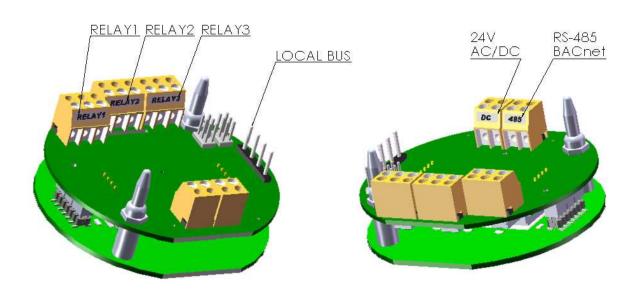


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-	-	See Sheet1	-	-							

Power and RS-485 BACnet MS/TP Connection



NOTE:

- B8 supports BACnet MS/TP master or slave protocol
- B8 default baud rate is 38400bps
- Each B8 on the MS/TP network must have a unique BACnet MAC address and unique Device Instance Number (Object ID)
 - B8 valid MAC addresses are 0-127 for master node, 0-254 for slave node
 - B8 default MAC address is 126
 - Default Device Instance Number is 4005
- Avoid running communication wires or sensor input wires next to AC power wires or the relay output wires. These can be sources of poice that can affect signed quality.
- wires. These can be sources of noise that can affect signal quality.

 When the B8 input power is AC, the 24VAC can be either grounded or non-grounded. Polarization is very important when the B8 is connected to a network. Make sure the Neutral is connected to the GNI of TB6.

Location:

The B8 Sensor/Transmitter should be mounted where the gas to be measured is most likely to be present. This location will be dependent on the source of the target gas and whether that gas is lighter or heavier than air. Air circulation and mixture should also be taken into account.

3/4"NPT cable/conduit entries on UL/CSA versions.

Where possible, the sensor/transmitter should be mounted where it is accessible for the purposes of routine re-calibration and **periodic** sensor replacement. Sufficient room should be left to allow the enclosure cover to be removed and the connection of the calibration adapter to the sensor assembly. For sensor element replacement there will need to be enough room to reach into the sensor assembly.

Note:

Avoid mounting the electronics near 600 VAC switchgear and other sources of radio frequency and/or electromagnetic interference. While RFI/EMI protection is built in to the electronics, excessive levels of interference may cause instability in the output signal.

Warning:

GROUNDING - The industrial explosion-proof metal enclosure must be connected to a safety ground, either locally or back at the monitor, in order to provide immunity to Electromagnetic Interference.

			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Quatrosense Environmental					
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				MFG APPR.								
			INTERPRET GEOMETRIC	Q.A.			11	INSTALLATION DRAWING			NG	
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<insert company="" here="" name=""> IS PROHIBITED.</insert>	APPLI	CATION	DO NOT SCALE DRAWING			SCAL	E: 1:2		SHEE	T 2 OF 3		
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