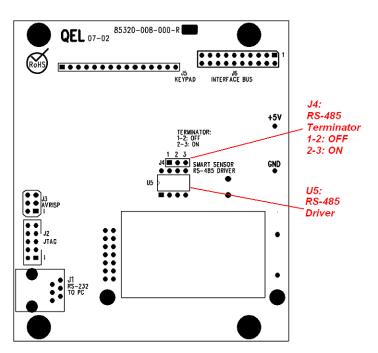


8 , 7 , 6 , 5 , 4 , 3 , 2 , 1

Main Board Bottom View



Terminator Enable/Disable?

The terminator on each end of the RS485 loop is designed to match the electrical impedance characteristic of the twisted pair loop, and will prevent signal echoes from corrupting the data on the line. The terminator should be enabled on BOTH ends of the RS485 loop. Short and medium length modbus/485 loops can operate without the terminating resistor. Longer runs may require the terminating resistors. But adding terminator dramatically increases power consumption.

Twisted Pair?

We recommend using BELDEN 9841 for communications. This wire has 120 ohm input impendence, which will eliminate RS-485 communication problems.





Controller Location:

The QRP is designed and certified for installation in a fixed location where is not subject to shock and vibration. Please observe the temperature and humidity specifications above for ambient conditions. Observe the possibility of leaks or possible water damage from cleaning done in the area.

The mounting height and location should provide easy access to the wiring terminals and frontpanel. Backlighting is provided for the display in case of low lighting conditions.

It is recommended that controllers be installed 5 feet (1.5m) above the floor.

				UNLESS OTHERWISE SPECIFIED:		NAME	Quatrosense Environmento xxy 2010/05/21 TITLE:					
	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF QUOTIONSED REVINORMENT LIGHT. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF QUOTIONERS ENVIRONMENT			DIMENSIONS ARE IN INCHES	DRAWN	XY	2010/05/21	Qualiosense Environmental			ai Lia	
				TOLERANCES: FRACTIONAL± ANGULAR: MACH± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± INTERRET EGOMETRIC TOLERANCING PER:	CHECKED	XY	2010/05/21	TITLE:				
					ENG APPR.	XY	2010/05/21			QRP		
					MFG APPR.				NET	NG		
١					Q.A.				INO I F	ALLATION DRAWING		NG
				MATERIAL	COMMENTS:			SIZE DWG. NO.				REV A
		NEXT ASSY	USED ON	FINISH				B				А
		APPLICATION		DO NOT SCALE DRAWING				SCALE	: 1:2		SHEET	7 3 OF 4
_	_ 1	,							- 1			

3 ' 7 ' 6 ' 5 ' 4 ' 3 ' 2

REVISIONS Buzzer, Strobe and Horn Connection: ZONE DESCRIPTION DATE APPROVED See Sheet1 I/O Motherboard +24V TB1 **BUZZER** Relay Board: O +24V TB1 BUZZER ┧╫┯ ᢪᡟᠯ᠇ᡰᡰ ╠╫┰┦Һ Buzzer TB₂ STROBE RELAY1 O +24V 04 CONTROLLER RELAY BOARD RELAY4 RELAY3 RELAY2 TB3 HORN COM +24V NC: Normally Closed COM: Common Horn NO: Normally Open 3*6* Relav1-4: 10.0 A maximum resistive 250VAC, 30 VDC 7.5 A maximum inductive 240VAC 5.0 A maximum inductive 30 VDC Tips: UNLESS OTHERWISE SPECIFIED: DATE Quatrosense Environmental Ltd You might drill an additional access hole to bring the wires into the NEMA 4X enclosure. The access hole should be drilled on the side of the XY 2010/05/21 DIMENSIONS ARE IN INCHES XY 2010/05/21 CHECKED FRACTIONAL± enclosure. ANGULAR: MACH± BEND ±
TWO PLACE DECIMAL ± ENG APPR. XY 2010/05/21 QRP THREE PLACE DECIMAL + MFG APPR. Warning: INSTALLATION DRAWING INTERPRET GEOMETRIC O A PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF Be sure to look inside the unit prior to drilling so that to make sure there is SIZE DWG. NO. REV

Quatrosense Environmental Ltd. ANY REPRODUCTION IN PART OR AS A WHOLE

WITHOUT THE WRITTEN PERMISSION OF

Quatrosense Environmental Ltd IS PROHIBITED.

5

86050-002-000

SHEET 4 OF 4

SCALE: 2:1

DO NOT SCALE DRAWING

3

APPLICATION

sufficient clearance for the hole and fitting that you are using.

Seal conduit to prevent foreign material from entering the enclosure.