

ROBERTSHAW INDUSTRIAL PRODUCTS DIVISION
MARYVILLE, TENNESSEE

FILE NO.

220

306

**CENTERON ULTRASONIC MONITOR
QUICK INSTALL GUIDE**

RECORD OF CHANGES

REV	COS	DESCRIPTION	DATE	BY
A	94927	RELEASE FOR PRODUCTION , PR# 00.I.001	09SEP00 08SEP00	SRB KAC
B	94969	REVISE FOR PRINTING PER FOUNTAIN CITY PRESS	26SEP00 26SEP00	SRB WPS

NUMBER : **039934A0001**

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Centeron™ Ultrasonic Monitor

Quick Installation Guide



Mounting

After the Controller has been successfully setup, the Monitor can be mounted to the tank by following these instructions:

Warning: If the tank contains flammable liquid, extinguish all flames and smoking material before performing the Monitor installation procedure.

Step 1.

Remove the Monitor from its protective packaging. Along with the Monitor, there will be two O-rings in the package, one 1.5" and the other 2" in diameter.

Step 2.

Determine the appropriate O-ring to use based on the size of the tank opening.

Step 3.

Slip the appropriate size O-ring over the end of the Monitor and slide it backward past the lip at the base of the threads. Press along the O-ring circumference until it is snug.

Step 4.

Note: For maximum Monitor performance, adjust the tank so that the top mounting surface of the tank opening is level to within +/- 5 degrees. A bubble level may be used for this task.

Insert the Monitor onto the opening on top of the tank.

Step 5.

Carefully screw the Monitor into the tank opening by hand tightening it 1/8 turn to the right past engaging the O-ring. Assembly requires only a snug fit. Do not over-tighten. Repeat Steps 1–5 for additional Monitors.

Warning: For maximum Monitor reception, mount the Monitor within 500 feet of the Controller, avoid mounting inside a fully closed metal building, and avoid close proximity to large electrical equipment. See Instruction Manual for more RF Guidelines.

Step 6.

Activation

Following Monitor mounting, the unit(s) can be activated.

- To activate the Monitor, pull the external slide magnet completely out of the top of the Monitor housing. This will activate the Monitor to make measurements and burst transmissions on a programmed interval (per customer specifications).

Note: The installer can limit the number of Controller calls during multiple Monitor installations by removing each additional Monitor magnet within 30 seconds of the last one.

Note: Do not discard the magnet completely—keep it accessible for future use if needed. Do not store the magnet in the monitor upper housing slot since this will de-activate the monitor.

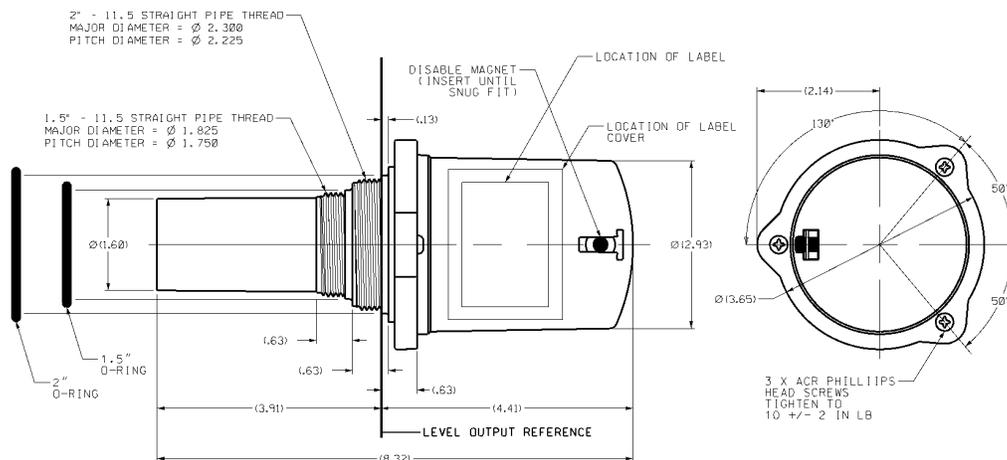
- Once the external slide magnet is removed from the Monitor, the Controller should flicker one green light to indicate that it successfully received a Monitor transmission.

Note: A second installer could verify this by watching the Controller during Monitor activation.

- The Controller will then wait 30 seconds to receive additional Monitors before calling the Data Collection System.

Step 7.

To activate additional Monitors, repeat Step 6. See Monitor Instruction Manual for further details if installation is unsuccessful.



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Document #039934A0001

Revision #B

Dated 8/24/00

