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Sentry Leak Detection System

NEMA 4X thermoplastic enclosure with liquid leak detection sensor (Polypropylene optical), alarm horn, push button/alarm silence with light and power on light.
Unit operates on 120VAC power.

Installation

- 1) Mount Leak Detection Panel in area near the tank. 25' length of the sensor cable as a standard, but this can be lengthened.
- 2) Bring 120VAC Power to panel and make connections to appropriate terminals (L1, Neutral & Ground).
- 3) Connect the sensor to the appropriate terminals on the but the power strip. Turn on the power to the panel. Place the sensor in a cup filled with water, this will sound the alarm horn. Press the silence button to stop the horn; the pilot light will remain on. Remove the sensor from the water; this will cause the alarm pilot light to turn off and will reset the latching relay. If the test performs sensor is installed as designed, proceed to the next section.
- 4) Mounting of the Leak Detection sensor. Lower the sensor through the supplied fitting, on the tank sidewall, down the interstitial space (area between the inner & outer tanks) until the sensor reaches the bottom of the secondary containment tank. After the sensor has reached bottom, pull the sensor back up so that it is now just off the bottom of the secondary containment tank (approximately 1/2").
- 5) Verify that all connections are made correctly & secure. Turn the power on to the panel.

Trouble Shooting

* I hooked up the 120VAC line and there is no power to the unit when I turn the Power ON switch.

Check to see that there is a fuse in the fuse holder, that the fuse holder is closed, that the fuse has not blown.

* I have power to the unit, Power light is ON

the Leak Detection Alarm will not sound.

Check to see that the Leak Detection Sensor wires are properly connected & secure.
(See supplied drawing)

Check to see that the correctly. (See #4 under Installation section)

* How do I check that the sensor is working?

Remove the sensor from the tank and place the end of the sensor in a cup filled with water. This should sound the alarm horn. Should the alarm not sound replace the sensor.