

TANK ALERT® 4X Alarm System

Versatile, indoor or outdoor liquid level alarm system.

This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other non-potable water applications.

The stainless steel alarm horn sounds and red beacon illuminates when a potentially threatening liquid level condition occurs.



FEATURES

- NEMA 4X enclosure rated for indoor or outdoor use.
- Automatic alarm reset and alarm test/normal/silence switch.
- Alarm system (when installed on separate circuit) operates even if the pump circuit fails.
- Complete package includes standard Sensor Float® control switch with 15 feet (4.57 meters) of cable (other lengths available) and mounting clamp.
- UL/ULC Listed.
- Three-year limited warranty.

SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL:
120 VAC, 50/60 Hz

ALARM ENCLOSURE: 6.4 x 5.3 x 5 inch (16.2 x 13.5 x 13.34 cm), NEMA 4X, indoor-outdoor, weatherproof, UV stabilized thermoplastic

ALARM HORN: 88 decibels at 10 feet (3 meters)

FLOAT SWITCH: Sensor Float® control switch with mounting clamp

Cable: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

Float: 3.38 inch diameter x 4.55 inch long (8.58 cm x 11.56 cm), high impact, corrosion resistant PVC housing for use in sewage and non-potable water up to 140°F (60°C)

Switch: hermetically sealed steel capsule features mercury-to-mercury contacts

Tank Alert® 4X Alarm System Installation Instructions

⚠ WARNING

ELECTRICAL SHOCK HAZARD

Disconnect power before installing or servicing this product. A qualified service person must install and service this product according to applicable electrical and plumbing codes.

⚠ WARNING

EXPLOSION OR FIRE HAZARD

Do not use this product with flammable liquids. Do not install in hazardous locations as defined by National Electrical Code, ANSI/NFPA 70.

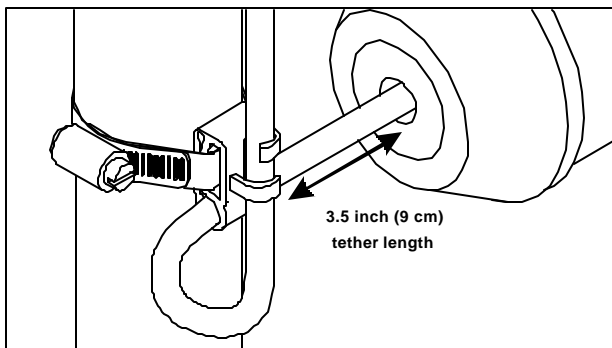
Failure to follow these precautions could result in serious injury or death. Replace product immediately if switch cable becomes damaged or severed. Keep these instructions with warranty after installation. This product must be installed in accordance with National Electric Code, ANSI/NFPA 70 so as to prevent moisture from entering or accumulating within boxes, conduit bodies, fittings, float housing, or cable.

INSTALLING THE FLOAT SWITCH*

1. Place the cord into the clamp as shown in Figure A.
2. Locate the clamp at the desired activation level and secure the clamp to the discharge pipe as shown in Figure A.
3. Tighten the hose clamp using a screwdriver. Over tightening may result in damage to the plastic clamp. Make sure the float cable is not allowed to touch the excess hose clamp band during operation.
4. Bring cable leads back to control device and wire according to Figure B.
5. Check installation. Allow system to cycle to ensure proper operation.

Note: All hose clamp components are made of 18-8 stainless steel material.

Figure A

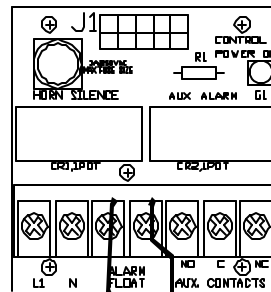


**If this alarm is used as an auxiliary alarm, disregard the float switch mounting detail.*

INSTALLING THE ALARM

1. Determine mounting location for alarm panel.
2. Determine "power-in" and "conduit-in" location on alarm panel.
Note: When used with a pump application connect the alarm to a circuit separate from pump circuit. This allows the alarm to operate even if the pump circuit fails.
3. Drill holes for power and control conduit entry.
4. Mount panel using flange kit.
5. Bring alarm float cable (or auxiliary contact wires**) through conduit and wire to terminal strip contacts labeled "alarm float" as shown in Figure B.
6. Wire "power-in" conductors to terminal strip contacts marked L1 & N.
7. If remote device is used, connect to terminal strip as shown on schematic located in plastic envelope inside alarm panel.
8. Check installation by turning on power and manually tipping the alarm float. The alarm light and horn should indicate an alarm condition.
9. Test unit periodically to ensure proper operation.

Figure B



**** Float or auxiliary contact wires**

**** The main control monitoring the alarm must have normally open dry auxiliary contacts available to operate this auxiliary alarm.**

NOTE: If this alarm is used as an auxiliary alarm device, power must be on at both the main control and this auxiliary alarm. Tipping the alarm float that runs to the main panel should activate this alarm.

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