

TANK ALERT® I Alarm System

Easy-to-install liquid level alarm system for indoor use.

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

The alarm horn sounds when a potentially threatening liquid level condition occurs. The horn can be turned off, but the warning light remains on until the condition is remedied. A green "power on" light indicates power to the alarm panel.



FEATURES

- NEMA 1 enclosure rated for indoor use.
- Red warning light, green "power on" light, alarm test switch, and horn silence switch.
- Alarm horn sounds at 88 decibels at 10 feet (3 meters).
- Can be used with any UL Listed switching mechanism rated to include 1 amp, 12 VAC load.
- 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.
- 120 VAC primary voltage.
- Switching mechanism operates on low voltage and is isolated from the power line to reduce the possibility of shock.
- UL Listed; miscellaneous signal appliance.
- CSA Certified.
- Three-year limited warranty.

SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL :

Primary: 120 VAC, 50/60 Hz,
6.5 watts max. (alarm condition)
Secondary: 12 VAC

ALARM ENCLOSURE: 6 x 4 x 2.5 inch
(15.24 x 10.16 x 6.35 cm), NEMA 1
metal. Includes outside mounting
device which eliminates the need to
open the enclosure

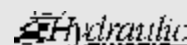
ALARM HORN: 88 decibels at 10 feet
(3 meters)

POWER CORD: 6 foot (1.8 meter)

FLOAT SWITCH CONNECTION

TERMINAL: For float switch
connection only. Do not apply
power. (Voltage across terminals
is 12 VAC.)

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® I Alarm System Installation Instructions

 <p>WARNING</p>	<p>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.</p>	 <p>WARNING</p>	<p>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.</p>
<p>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.</p>			

INSTALLING THE ALARM and FLOAT SWITCH

1. Determine indoor mounting location for alarm panel.
2. Insert screw (supplied) at desired wall location.
3. Hang alarm panel using keyhole on panel back. Install second screw between tabs located on bottom of panel.
4. Make sure power to alarm panel is disconnected.
5. Place the cord into the clamp as shown in Figure A.
6. Locate the clamp at the desired activation level and secure the clamp to the discharge pipe as shown in Figure A. **Note:** Do not install cord under hose clamp.
7. 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.
8. Bring cable leads back to control device and wire according to Figure B.

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

Note: When used with a pump application, connect alarm to a circuit separate from the pump circuit. This allows the alarm to operate if the pump circuit fails.

9. Check installation by manually tipping the float. The system should indicate an alarm condition.
10. **You must manually reset alarm after activation.** Push horn button back to horn position and press "push to test" button. The light and horn should activate.
11. Test unit periodically to ensure proper operation.

Figure A

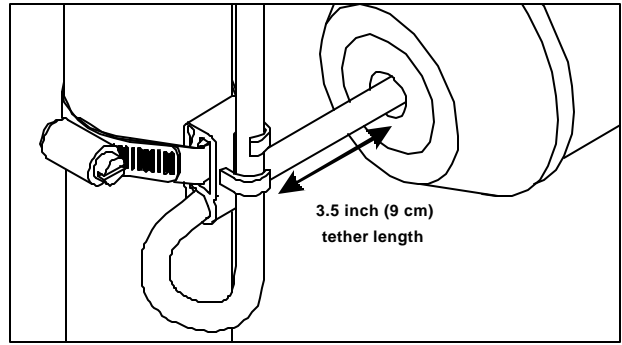
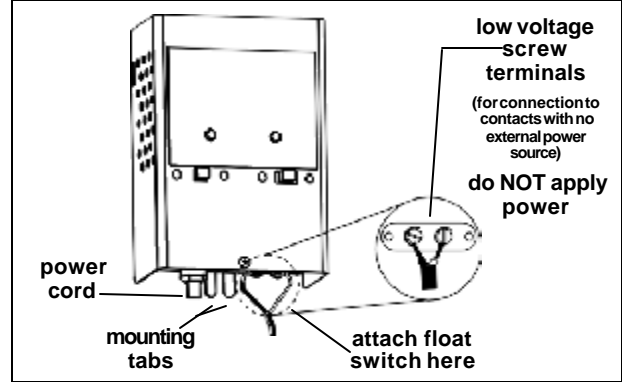


Figure B



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