

Little GIANT Pump Company

Indoor/Outdoor
High Water Alarm System

303 HWXT



Applications

- Lift pump chambers
- Sump pump basins
- Holding tanks
- Sewage and wastewater removal

Features

- Enclosure meets Type 3R water-tight standards
- Automatic alarm re-set, horn silence switch and alarm test switch
- Alarm horn sounds at 82 decibels at 10' (3 meters)
- Alarm system (when installed on separate circuit) operates even if pump circuit fails
- Complete package includes control switch with 15' (4.57 meters) of cable and pipe clamp for mounting
- Extra Value Includes pre-mounted terminal block so enclosures can also be used as a junction box for splicing pump, pump switch and power. Meets NEC standard for junction boxes.
- UL Listed for indoor or outdoor use under UL standard 864 CSA Certified

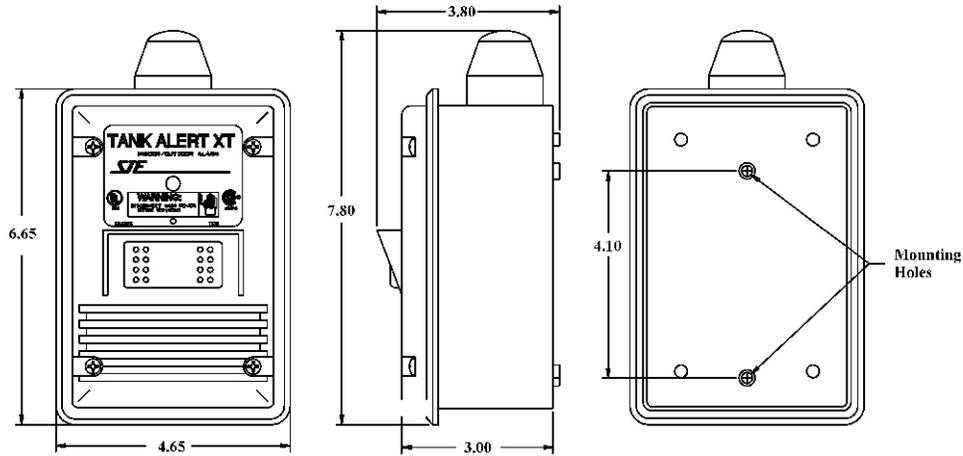
Specifications

- Voltage: 120 VAC, 50/60 Hz, 7 watts max (alarm condition)
- Alarm Enclosure: 6.5 x 4.5 x 3.0 inch (16.51 x 11.43 x 7.62 cm), indoor-outdoor, weatherproof, thermoplastic, meets Type 3R water-tight standards
- Pre-mounted Terminal Block
- Alarm Beacon: meets Type 3R standards
- Test/Silence Switch: certified to IP66 and IP68 standards
- Float Switch: Sensor Float® control switch with pipe clamp
- Cable: 15' (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)
- Float: 3.38" diameter x 4.55" 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

The highwater alarm system is designed to warn of high water levels by activating a loud horn and a red warning beacon. The horn can be turned off, but the warning light will remain on until the condition is remedied.

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Installing the Float Switch

1. Determine desired activation level (see Figure A). Position float to activate prior to threatening liquid level condition. To adjust activation level, move pipe clamp up or down on discharge pipe.
2. Place the cord into the clamp as shown in Figure B.
3. Locate the clamp at the desired activation level and secure the clamp to the discharge pipe as shown in Figure B. **Note:** Do not install cord under hose clamp.
4. 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.

Installing the Alarm

1. Mount alarm box using existing holes in back of box. To insure water-tight seal, use screws and sealing washers included with alarm.
2. Determine "conduit-in" locations on alarm (see Figure C). **Note:** When used with a pump application, connect alarm to a circuit separate from the pump circuit. This allows alarm to continue to operate if the pump circuit fails.
3. Drill holes for conduit entry, taking care not to damage bosses inside alarm box.
4. Attach conduit. (If using pre-mounted terminal block, refer now to wiring instructions in Figure C.)
5. Bring float switch cable through conduit and wire to terminal strip positions F1 and F2 on alarm cover (see Figure C).
6. Wire power conductors to terminal strip positions L1 (line) and N (neutral) and ground wire to ground termination post (see Figure C). **Note:** If terminal block option is used, attach ground wire to left terminal 4 as shown in Figure A of Terminal Block Option Wiring Instructions.
7. Connect wire leads from circuit board to beacon (see Figure C).
8. Attach alarm box cover using the four pre-installed screws.
9. Turn on power.
10. Check installation by manually tipping the float. The system should indicate an alarm condition
11. Push silence switch to test silence feature.
12. Test unit periodically to insure proper operation.

ITEM NUMBER	MODEL NUMBER	PRIMARY VOL ATAGE
513273	303 HWXT	120V 60Hz.

Figure A

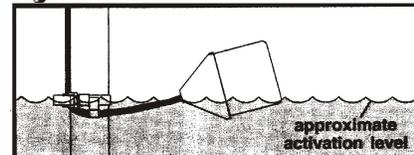


Figure B

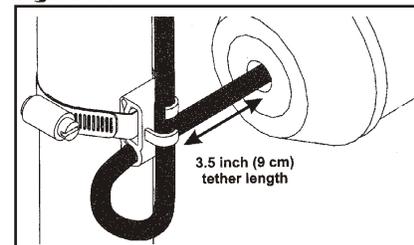
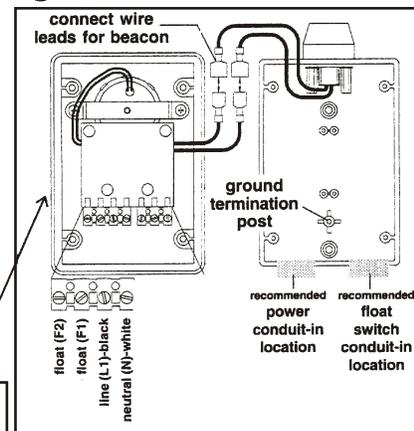


Figure C



View is from backside of cover. Incorrect wiring will damage unit.

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