HYDROMATIC® Q-ALERT ALARM
LIQUID LEVEL ALARM SYSTEMS
Versatile, Indoor or Outdoor
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Q-ALERT – indoor alarm system
Q-ALERT XT – outdoor alarm system

Applications
These quality alarm systems are designed to provide a dependable high or low liquid level warning device for residential and commercial applications. The Q-ALERT XT alarm can serve as a high or low level alarm depending on the float switch model used. A potentially threatening liquid level condition is announced by an alarm horn and a red beacon which can be seen from all directions. Common applications include lift pump chambers, sump pump basins, holding tank sewage systems, and irrigation systems.

Features
- Automatic alarm reset
- Alarm silence switch
- Alarm test switch
- Alarm system (when installed on separate circuit) operates even if pump circuit fails
- Complete package includes standard Sensor Float® control switch with 15 feet (4.6 meters) of cable and pipe clamp for mounting and 6 foot (1.8 meter) power cord
- UL Listed
- CSA Certified
- Two-year limited warranty

Options
This alarm is available:
- With auxiliary dry contacts for easy attachment of remote devices
- Premounted terminal block so enclosure can also be used as a junction box for splicing pump, pump switch, and power
Installing the Float Switch

1. Determine desired activation level (see Figure A). To adjust activation level, move pipe clamp up or down on discharge pipe.

2. Tighten pipe clamp around the discharge pipe at desired activation level. Keep switch cable between strap and pipe to help prevent slippage (see Figure B).

3. To lock releasable tab, run remaining strap between releasable tab and head. Pull tightly.

4. To eliminate obstruction to switch, tuck strap back through clamp head (see Figure B).

Installing The Alarm

1. Mount alarm box using existing holes in back of box. To ensure 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 circuit breaker separate from pump circuit. This allows alarm to continue to operate if pump circuit should fail.

3. Drill holes for conduit entry, taking care not to damage bosses inside the alarm box.

4. Attach conduit.

If alarm includes remounted terminal block option, refer now to the Terminal Block Option Installation Instructions.

1. Bring float switch cable through conduit and wire to terminal strip positions F1 and F2 on alarm cover (see Figure C).

2. Wire “power-in” 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 Installation Instructions.

3. If remote device is used, connect to terminal strip for optional auxiliary dry contacts as shown in Figure C.

4. Connect wire leads from circuit board to beacon as shown in Figure C.

5. Attach alarm box cover using the four preinstalled screws.

6. Turn on power.

7. Check installation by manually tipping float switch. The alarm horn and beacon should indicate an alarm condition.

8. Push silence switch to test silence feature.

9. Test unit periodically to ensure proper operation.
**Q-ALERT ALARM**

### Specifications

<table>
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<tr>
<th>Feature</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>120 VAC, 50/60 Hz, 7 watts max. (alarm condition)</td>
</tr>
<tr>
<td><strong>Enclosure</strong></td>
<td>6.5 inch x 4.5 inch x 3.0 inch (16.51 cm x 11.43 cm x 7.62 cm), indoor and outdoor, weatherproof thermoplastic.</td>
</tr>
<tr>
<td><strong>Auxiliary Alarm Contacts</strong></td>
<td>(optional): 5 amps, 120 VAC, 50/60 Hz</td>
</tr>
<tr>
<td><strong>Alarm Horn</strong></td>
<td>82 decibels at 10 feet (3 meters)</td>
</tr>
<tr>
<td><strong>Alarm Float</strong></td>
<td>Sensor Float® control switch with pipe clamp</td>
</tr>
<tr>
<td><strong>Cable</strong></td>
<td>15 feet (4.57 meters) of flexible 16 gauge, 2 conductor SJOW-A (UL), SJOW (CSA), water-resistant, neoprene (CPE)</td>
</tr>
<tr>
<td><strong>Housing</strong></td>
<td>3.38 inch diameter x 4.55 inch long (8.58 cm x 11.56 cm), impact resistant, noncorrosive, PVC plastic for use in liquids up to 140° F (60°C)</td>
</tr>
<tr>
<td><strong>Switch</strong></td>
<td>Reliable float switch rated for minimum 250,000 cycles</td>
</tr>
</tbody>
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### Dimension Data - Q-Alert

![Q-Alert Dimension Data](image)

**All dimensions in inches. Metric for international use. Component dimensions may vary ± 1/8 inch. Dimensional data not for construction purpose unless certified. Dimensions and weights are approximate. On/Off level adjustable. We reserve the right to make revisions to our product and their specifications without prior notice.**

### Dimension Data - Q-Alert Xt

![Q-Alert Xt Dimension Data](image)

**All dimensions in inches. Metric for international use. Component dimensions may vary ± 1/8 inch. Dimensional data not for construction purpose unless certified. Dimensions and weights are approximate. On/Off level adjustable. We reserve the right to make revisions to our product and their specifications without prior notice.**