

Take Control[®] **ion+**[®]

Digital Level Control with High Water Alarm

Built In Alarm and Monitoring System

- Power, system and high water LEDs indicate system status
- Audible alarm buzzer
- Dry contact

Sensor Features

- First of a kind solid-state sensing technology with no moving parts
- Starts and stops pump via the piggyback pump power receptacle
- Multipoint sealing mechanism that supersedes single surface seals
- Inverter rated for use with most battery backup systems
- No contact points

System Features

1. Power Light
2. Pump light
3. High Water Light
4. Alarm buzzer
5. Pump receptacle
6. Remote alarm port - type RJ11
7. Ion[®] Digital Level Control Sensor

patent pending



37 Forestwood Dr., Romeoville, IL 60446
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ion+[®] System Description

The Ion[®] revolution continues with the introduction of the Ion+[®]. The world's first digital piggyback style sump & sewage pump level control sensor with integrated alarms. The Ion+[®] works like a standard Ion[®] level switch, but also provides alarm notification via an audible buzzer, LED indicators, and dry alarm contact. The alarm notifications include pump fault, system fault, and high-level alarm. The dry contact output of the Ion+[®] allows the device to be connected to external alarm notification systems such as our Ion Gateway[®] or MetroMail[™] systems, for real-time notification capability. Ion[®] digital level control technology provides superior performance and reliability when compared to industry standard mechanical pump switches.

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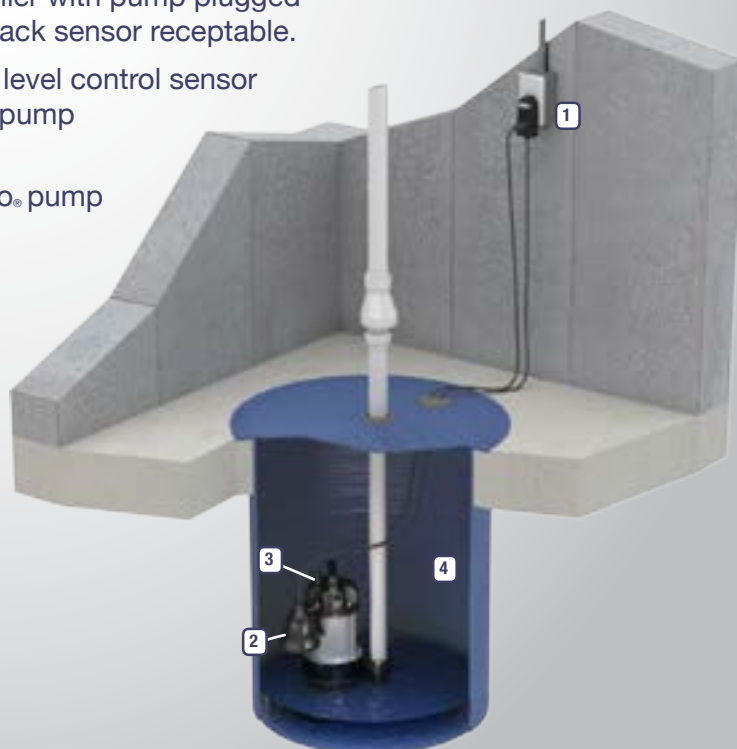
Functions

1. Green LED will illuminate when power is available to the Ion+.
2. Amber LED will illuminate if:
 - a. The pump is running (no audible alarm)
 - b. The pump is not plugged in (buzzer will sound)
 - c. The pump motor thermal sensors disengage the motor (buzzer will sound)
 - d. The pump motor or power cord sustain electrical damage (buzzer will sound)
 - e. The Ion+ controller has lost communication with level sensor (buzzer will sound)
3. Red LED will illuminate if the liquid level rises 2" above the pump-on elevation. Buzzer will sound.
4. Alarm buzzer produces high decibel audible indication of alarm conditions
5. Pump power receptacle can power a 120 volt pump up to 13 amps
6. RJ11 alarm port easily adapts to many types of monitoring devices such as our MetroMail™ and Ion Gateway.



Typical Installation

1. Ion+ controller with pump plugged into piggy-back sensor receptacle.
2. Ion+ digital level control sensor attached to pump
3. Standard Ion|StormPro pump
4. Basin



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