



# Ion Genesis®

## Smart Controller and Sensors



The Ion Genesis® is a first of a kind digital pump controller that is designed to operate one or two pumps, alternating or simultaneously, with combined amp draws of 12 amps. The Ion® digital level sensors are used in place of standard float switches and allow for an adjustable on level from 2.5" to 72" in 0.5" increments. The Ion Genesis® controller incorporates smart sensing technology that utilizes critical system information such as pump amp draw, how long the pump operates, water level, and many more features.

You can collect and analyze system data never before possible with the level sensor controllers. Any change or variation in your system performance will sound an alarm or alert of possible equipment failure before flooding occurs. This new technology allows you to adjust the turn on level of your system without removing the system cover.

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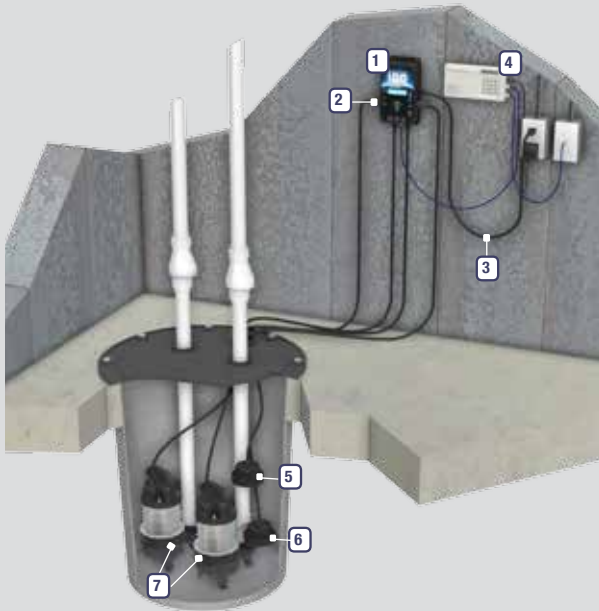


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## Typical Installation Diagram



1. Ion Genesis®
2. Pump outlets
3. Power cord
4. Dialer (optional)
5. High water sensor
6. Digital level sensor
7. Pumps (optional)

## System Features



1. LED Lights: Indicate when the pump or pumps are running, system power, and alarm mode.
2. LCD Screen: Displays vital equipment data and alarm notifications.
3. Plug & Play Outlets: Pump(s) plug directly into controller just as they would a wall outlet.
4. Ion® Digital Level Sensor: Communicates system levels to the Ion Genesis® controller.
5. Ion® Digital High Water Sensor: Detects high water and also acts as a secondary switch in case the primary Ion® sensor fails.
6. Remote Alarm Contact: Connects to optional dialer or existing security system for remote monitoring when you're away.
7. Reset/Test Button: Allows user to manually test system without having to access basin.
8. On Level: Manually adjust the pumping turn on level from 2.5" to 72" in 0.5" increments.

## System Specifications

- Featuring Ion® digital level sensors
  - First of its kind solid-state sensing technology with no moving parts
  - Multipoint sealing mechanism that supersedes single surface seals
  - Rated at 2 million cycles, it will last 4 times longer than a standard pump switch
- Voltage: 120 VAC, 60 Hz
- Output Capacity (per outlet): ½ HP, 12 FLA, 15 amp max, 72 LRA
- Remote Alarm Contacts: Normally closed (open during alarm state) 30 V/DC @ 1 amp max
- Temperature Range: 32° F to 104° F (0° C to 40° C)
- Audible Alarm: 80 dB @ 10 ft.
- Enclosure: NEMA-1 UL94V-0 ABS
- Mounting Hardware (controller): (4) #10 Screws (not included)
- Mounting Dimensions (controller): 8.25" X 3.5"
- 3 year warranty