

Ion Genesis®

Smart Sensing Controller & Alarm

Patent No. 8,591,198



Controls one or two pumps, alternating or simultaneously. Equipped with smart sensors to monitor key activity and identify detected irregularities.



Solid state sensing activates pumps when water level reaches preset height. Customize pump on/off level settings with ease from accessible controller.



Audible/visual alarm notifies of pump or sensor failure and of probable concerns including abnormal pump amp draw, excessive run time, and high water level.



Redundancy of two sensors ensure continued pumping availability in the event one of the sensors were to fail.



No moving parts or contact points to wear or fail. Proprietary enclosure enhances sensor durability to withstand harsh sump/sewage environments.

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
- **Voltage:** 120 VAC, 60 Hz
- **Output Capacity (per outlet):** 1/2 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"
- Sensors available with 10' or 20' cords
- 3 year warranty
- **Part Number:** iNG20503



Product 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. Silence/Reset:** 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.

Typical Installation Components

- 1.** Ion Genesis
- 2.** Pump outlets
- 3.** Power cord
- 4.** High water sensor
- 5.** Digital level sensor
- 6.** Pumps (not included)

