

Take Control.
ION
Technologies

A division of Metropolitan Industries, Inc.

Now available
with optional
factory installed
Ethernet Module.



Ion® Endeavor

Smart Controller and Sensors

- Three model options
- First of a kind 115 or 230 volt standard plug in receptacle, dual pump run and alternating controller for residential and commercial applications
- Ion® sensors communicate with controller to provide controller based turn on level adjustment from 2.5" to 72" for optimal pump operation
- Track critical information through the panel based display, including switch failure, pump amp draw, water level, and more
- Wide range of communication options available



Patent No. 8,591,198 & 8,907,789 B2

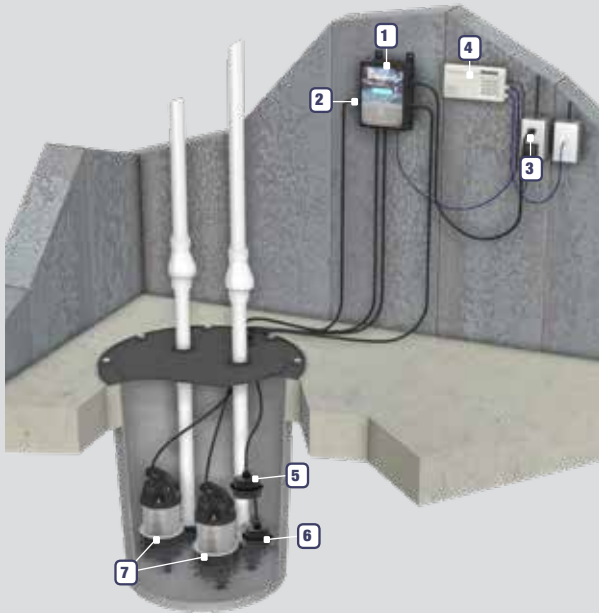


37 Forestwood Dr., Romeoville, IL 60446 www.ionproducts.net [815] 886-9200

Ion® Endeavor

Smart Controller and Sensors

Typical Installation Diagram



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

Controller Options

	Endeavor Power Plug Configuration	Dedicated Supporting Wall Receptacle Needed
Model 100-15 operates two (2) 120 VAC, single-phase pumps, up to 12 amps total	 115 V, 15 A	 115 V, 15 A
Model 100-20 operates two (2) 120 VAC, single-phase pumps, up to 16 amps total	 115 V, 20 A	 115 V, 20 A
Model 200-15 operates two (2) 208-240 VAC single-phase pumps, up to 12 amps total	 230 V, 15 A	 230 V, 15 A

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
- Simultaneously operates two (2) single-phase plug in pumps together when required
- Automatic pump alternation based on duty cycle and/or pump availability
- Clean & safe operation
- Microprocessor based process controls continually monitor system
- Dry digital contact for common alarm, allows remote monitoring
- Metropolitan's variety of optional com-devices allow many communications possibilities:
 - Ethernet Module: system status via web page and email or text message alerts
 - Ion Gateway®: Cellular based unit sends email or text message alerts
 - Telephone Dialer: Phone line unit sends voice message alerts
- 3 year warranty