

ION™ DIGITAL LEVEL CONTROL



Patent pending

FEATURES

- First of its kind, solid-state sensing technology with no moving parts.
- Space age, design with no mechanical contact points
- Multipoint sealing mechanism that supersedes single surface seals.
- Inverter rated for use with any battery back-up system.
- Standard piggy back connection for use with any pump.

PIPE MOUNTING BRACKET

1. Determining bracket mounting position (Figure A)
2. Mount bracket to Ion Switch with screw already provided in ion switch (Figure B)
3. Mount Hose Clamp w/ switch around pipe at predetermined level. Cable should remain outside hose clamp (Figure C)

Caution: BOTTOM OF SWITCH SHOULD NOT BE MOUNTED LOWER THAN SUCTION INLET OF PUMP
CAUTION: when installing the Ion switch with the pipe mounted bracket be sure not to set the switch too low or too high on the pipe. The ion must be installed above the inlet of the pump to prevent air-locking as shown in THE INSTALLATION DRAWING.

To prevent flooding do not set the off point of the switch higher than the top of the basin. The Ion switch with the 6" setting needs to be mounted at least 10" inches below the top of the basin. The Ion switch with the 10" setting should be mounted at least 14" from the top of the basin as shown in THE INSTALLATION DRAWING

4. Tighten hose clamp

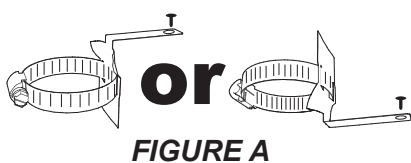


FIGURE A

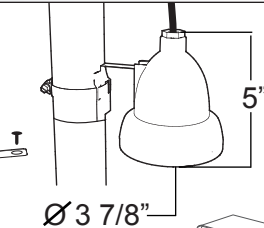


FIGURE C

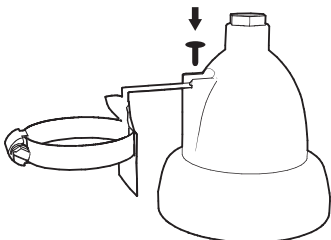


FIGURE B

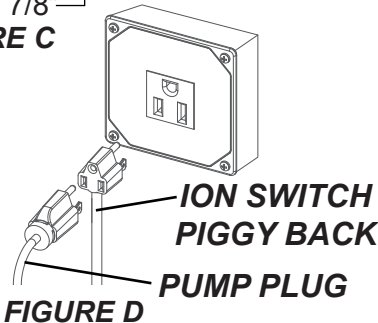


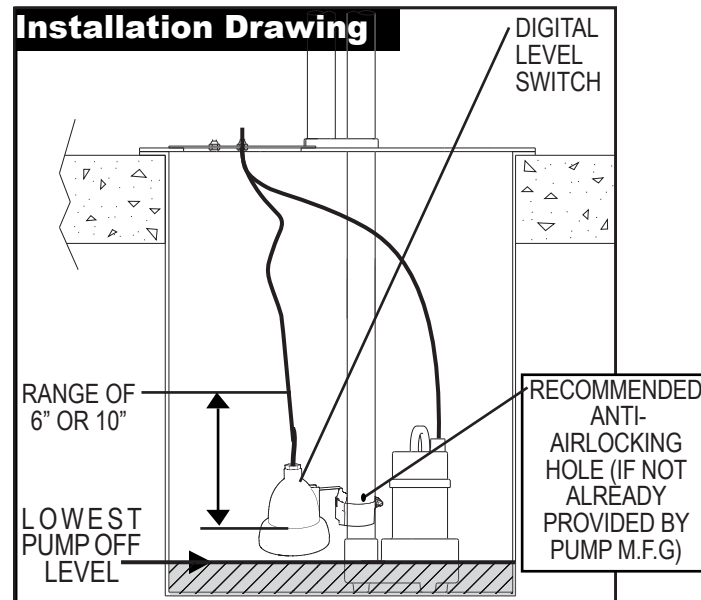
FIGURE D

Model	Cord	Range
IN-006-010-10PA-B	10	6
IN-010-010-10PA-B	10	10
IN-006-020-10PA-B	20	6
IN-010-020-10PA-B	20	10

PIGGY-BACK INSTALL

- Electrical Outlet must not be located in pump pit
 - Electrical Outlet voltage , piggy back plug voltage & pump voltage must all be the same voltage.
 - DO NOT CUT plug off unit
 - Ensure vent tube on plug is protected from moisture,dirt and insects and other items that could plug or block tube.
1. Insert the Ion switch's piggy-back-plug into the outlet.
 2. Plug pump into piggy-back-plug as (Figure D)
 3. Check installation allow system to cycle to ensure proper installation.

BE SURE TO MOUNT THE ION SWITCH AT PROPER LEVEL.



PLEASE NOTE THIS PRODUCT MAY NOT WORK IN CONJUNCTION WITH OTHER CONTROLLERS.

NOTE: The Ion Switch does not operate like a standard pressure switch. There are no contacts to wear out, so when pressure is applied, there will not be a click.

**VISIT: WWW.IONNATION.US
CALL: 877-330-5385**

SAFETY PRECAUTIONS



CAUTION: To prevent electric shock, ensure product is connected to a grounded outlet. The electrical outlet should be properly wired to a dedicated circuit breaker. Proper short-circuit and overload protection must be provided at the distribution properly sized panel. Install in accordance with all local and national electrical codes.



WARNING: Electrical outlet must not be located in pump pit. For best performance, do not use electrical extension cords.

WARRANTY

- Coverage and Term.** Metropolitan Industries, Inc. (“**Metropolitan**”) warrants to the original purchaser (the “Buyer”) of each Metropolitan product (the “product”), that any part thereof which proves to be defective in material or workmanship within thirty-six(36) months from date of manufacture, will be replaced at no charge with a new or remanufactured part, F.O.B. factory. Buyer shall be responsible for all freight charges and all costs of field labor or other charges incurred in the removal and/or reinstallation of any product, part or component thereof.
- Exclusions. THE WARRANTY IS SUBJECT TO THE FOLLOWING CONDITIONS AND EXCLUSIONS:**
 - The Warranty excludes products or workmanship which becomes defective as a result of: (i) earthquake, fire, storms, the elements or any other acts of God; (ii) normal wear and tear from use; (iii) accident, misuse, abuse or neglect ; (iv) modifications made by Buyer or any third party, other than **Metropolitan**; and (v) Buyer’s failure to properly install, maintain, service and/or operate the product under normal conditions and according to manufacturer’s instructions.
 - Metropolitan** shall not be responsible for, and the Warranty shall not cover, extended damage which occurs because of Buyer’s failure to notify **Metropolitan** promptly in writing of apparent defects.
 - Any part or component designated as manufactured by anyone other than **Metropolitan** shall be covered only by the express warranty of the manufacturer thereof.
 - The Warranty shall lapse upon Buyer’s failure to fully comply with the terms and conditions of its contract with **Metropolitan**, including Buyer’s failure to pay the purchase price for the product or any portion thereof. Buyer’s subsequent compliance with the terms and conditions of any such contract, will not cause the term of the Warranty to extend beyond the time period set forth above.
 - No actions taken by **Metropolitan** to correct a defect in a product shall extend the Warranty beyond the period set forth above. **Metropolitan** shall not be obligated to remedy any defect, where otherwise required pursuant to the Warranty unless and until Buyer notifies **Metropolitan** in writing of the defect and then only if such notification is made prior to the expiration of the period set forth above.
- Process of Claims and Repairs.** **Metropolitan** agrees that if the product or any part or component thereof shall fail to conform to the terms of this Warranty, **Metropolitan** shall replace such nonconforming product, part or component at the original point of delivery and furnish instruction for its disposition. Any transportation charges involved in such disposition and all costs of field labor or other charges incurred in the removal and/or reinstallation of any product, part or component thereof shall be the responsibility of Buyer.
- Limitation on Liability.** Notwithstanding any provision to the contrary, **Metropolitan’s** entire liability under this Warranty shall not in the aggregate exceed, and Buyer’s exclusive and sole remedies are, to the extent permitted by law, shall be to secure replacement of the defective product. **UNDER NO CIRCUMSTANCES SHALL METROPOLITAN BE LIABLE UNDER THE WARRANTY FOR ANY INDIRECT, PUNITIVE, SPECIAL, EXEMPLARY, CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING LOST PROFITS, REVENUE, USE OR ECONOMIC ADVANTAGE).**
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- Not Transferable.** The Warranty may not be transferred and shall be void on the sale or other transfer of the product.
- Products and Warranty Subject to Change.** **Metropolitan** reserves the right to make revisions to its products and their specifications, and to revise this Warranty and related information without notice.