

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347
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Tel: (502) 778-2731 • 1 (800) 928-PUMP

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zoellerpumps.com

APak® Outdoor High Water Alarm

ELECTRICAL SHOCK HAZARD.
DISCONNECT POWER BEFORE SERVICING

All electrical and safety codes must be followed including the National Electrical Code and all applicable local codes.

SPECIFICATIONS

This alarm unit monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, and other non-potable water applications (See Figure A). APak™ Outdoor High Water Alarm features a green Power On LED, red alarm LEDs, an audible buzzer, one set of normally closed and normally open Auxiliary contacts, and a Silence/Reset/Test toggle switch. The APak™ Outdoor High Water Alarm can be wired to a 120 V, 60 Hz, electrical power source. This product is rated as NEMA 4X. To maintain rating, use only equivalent rated conduits and install in accordance with applicable standards. Tighten enclosure screws once a year, (recommended torque of 0.45 Nm or 4 in-lbs.) and perform any required maintenance to ensure protection. 15A household circuit breaker required.

ALARM UNIT INSTALLATION / WIRING

- 1) **91104-0001.** Drill openings on the bottom of the enclosure sufficient to accommodate the appropriate conduit adapter. Follow guidelines to ensure a water tight fit where applicable. Take care not to damage internal alarm components.
- 91104-0002.** The 20' corded switch and 6' power cord are already wired in place. These can be temporarily disassembled and removed for installation purposes, if necessary.
- 2) Install unit in desired location using mounting flanges on enclosure.
- 3) Remove the 4 cover screws to access the terminal contacts and the auxiliary contacts.
- 4) Wire line and neutral to terminal contacts 1 & 2 and connect earth ground to the ground lug located on metal backplate (See Figure B).
- 5) Wire mechanical float switch to terminal contacts 3 & 4 (See Figure B).
- 6) Terminal contacts 5, 6, 7 are provided as an optional wiring junction point for the pump. 115/230V, 20A max.
- 7) Auxiliary contacts may be used to control other alarm circuits and are rated for 115V, 60Hz, 5A resistive load.

Figure A

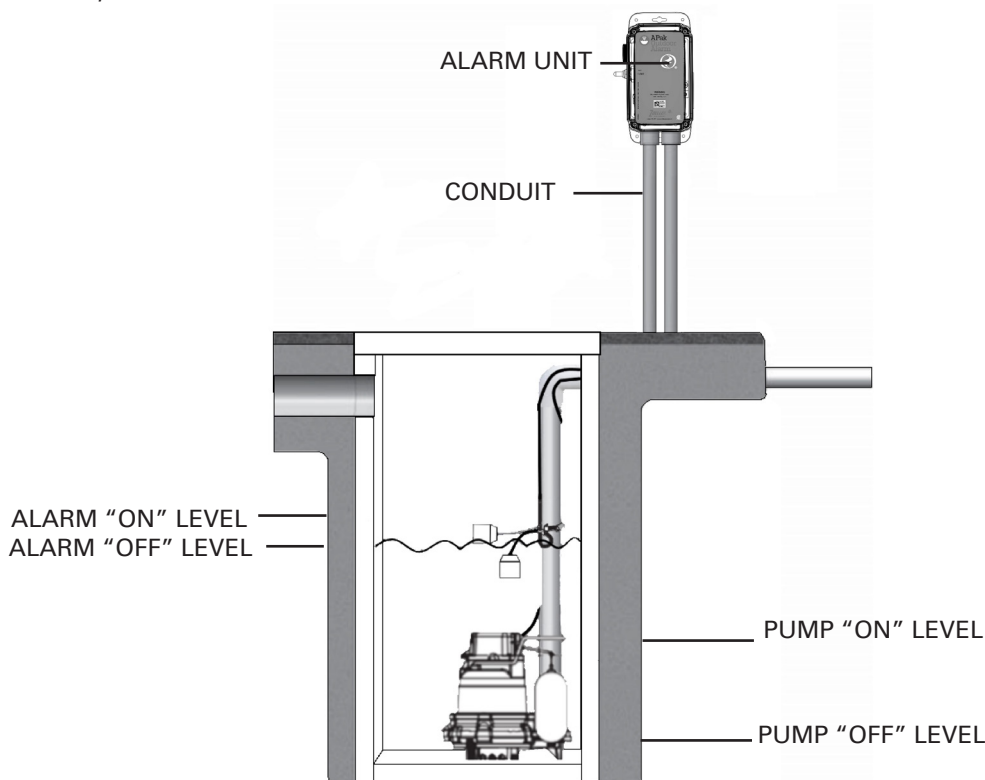
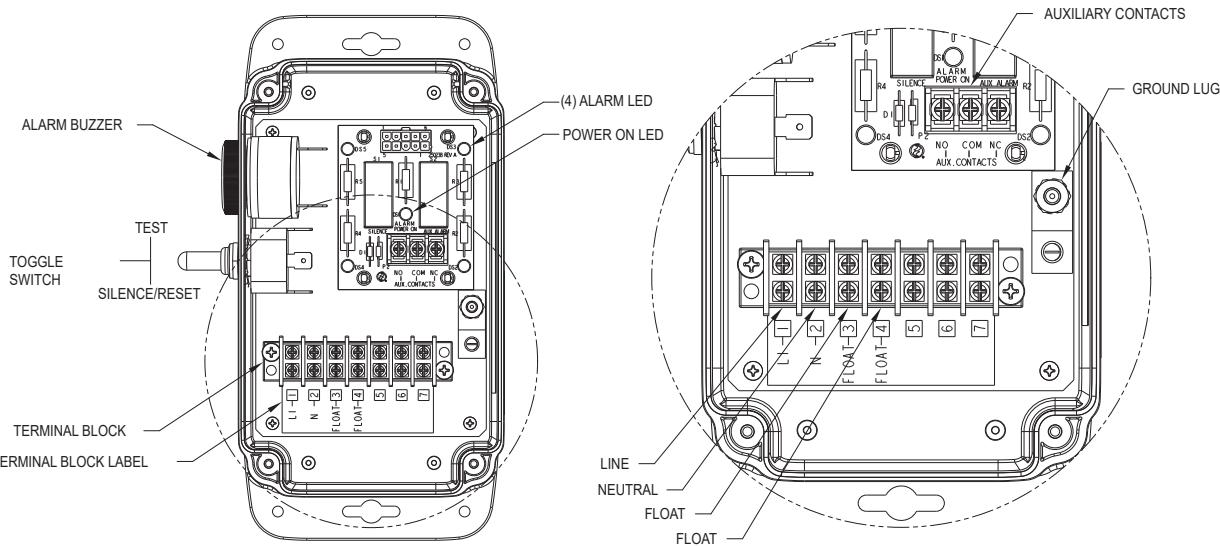
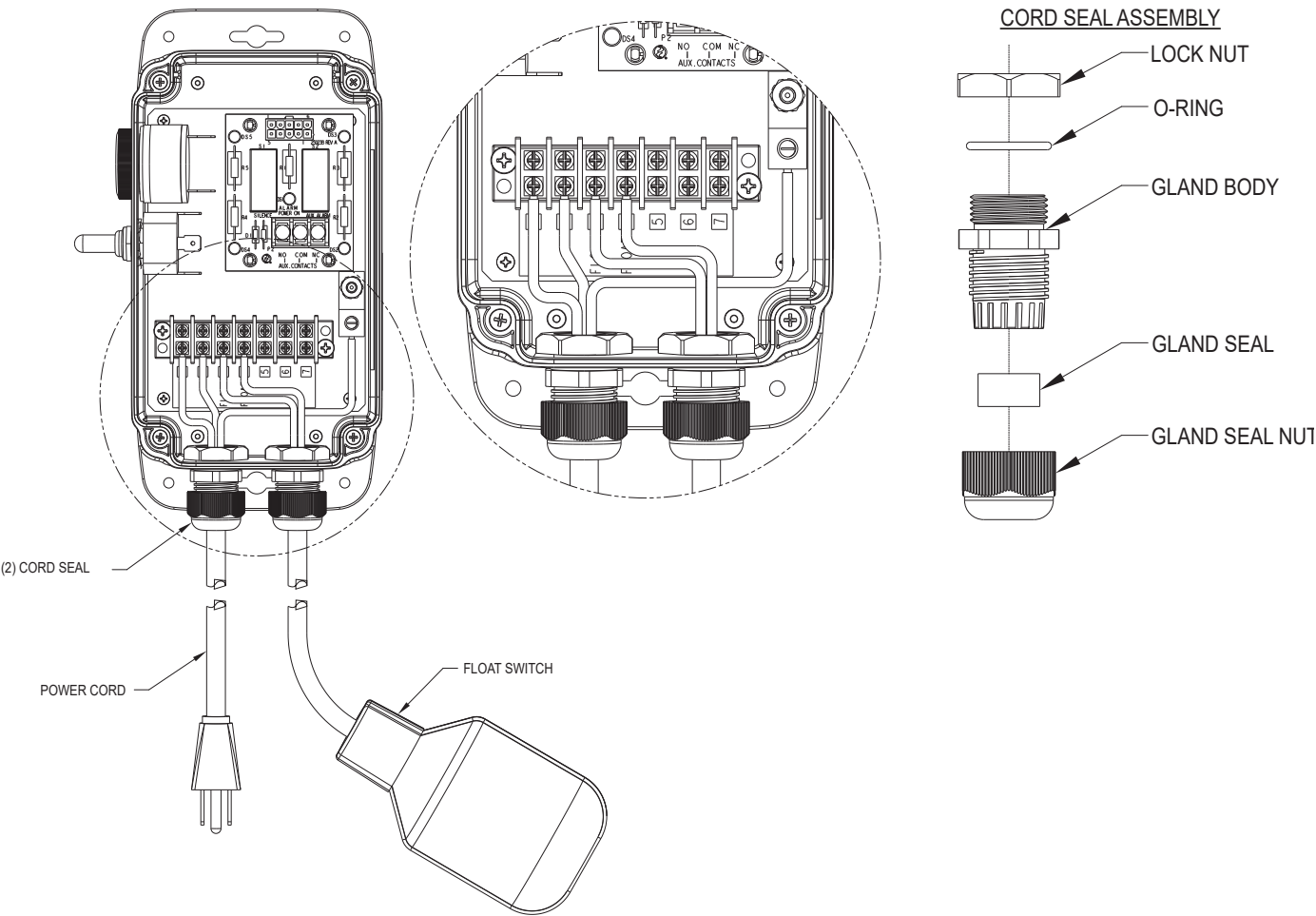


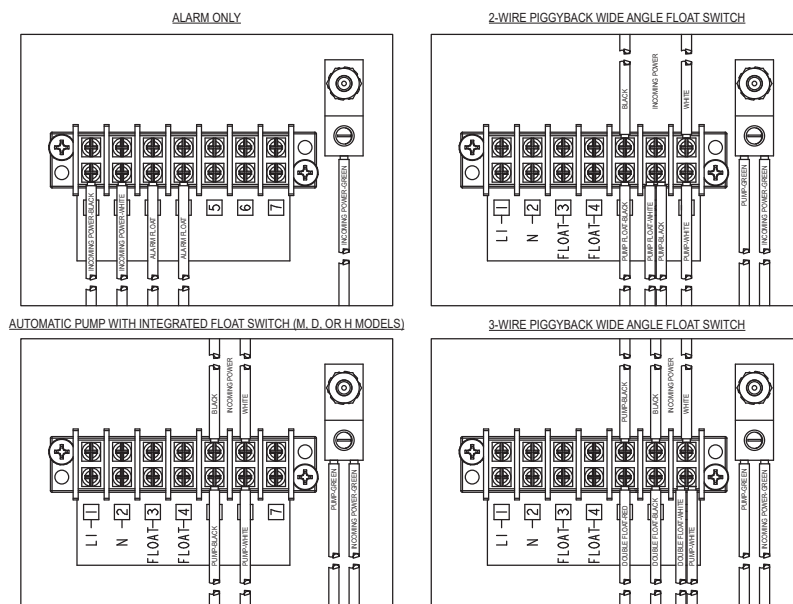
Figure B

APAK OUTDOOR P/N: 91104-0001



APAK OUTDOOR P/N: 91104-0002





CONTROL/MECHANICAL SWITCH WIRING

OPERATION AND TESTING

INSTALL MECHANICAL FLOAT SWITCH (011833 (15') or 011832 (20'))

IN A LIFT PUMP

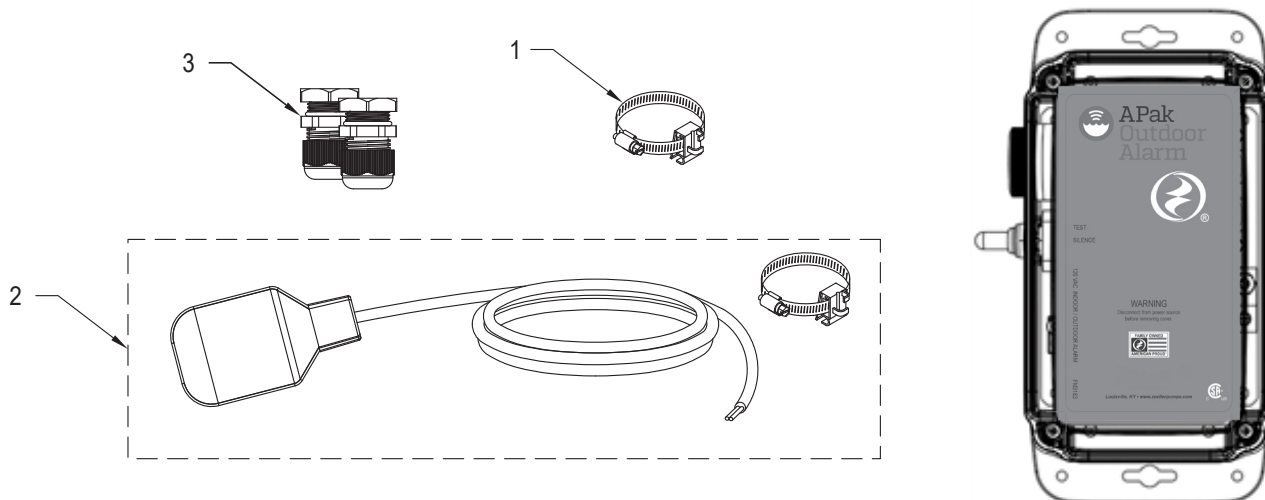
IN A HOLDING TANK

CLAMP DETAIL

Figure C

Figure D

| Model Number | | | 91104-0001 | 91104-0002 |
|--------------|--------------------------|-----|------------|------------|
| Item | Description | Qty | Part # | Part # |
| 1 | Clamp, #36 worm-SS | 1 | 014513 | 014513 |
| 2 | Switch, mechanical float | 1 | 011833 | 011832 |
| 3 | Seal, Cord- Asm 1/2" NPT | 2 | - | 157811 |



Zoeller Company cannot be responsible for damages caused by faulty or negligent installation of this device. We respectfully suggest you engage the services of a qualified, licensed electrician or service person.

LIMITED WARRANTY

Manufacturer warrants, to the purchaser and subsequent owner during the warranty period, every new product to be free from defects in material and workmanship under normal use and service, when properly used and maintained, for a period of 5 years from date of purchase by the end user. Parts that fail within the warranty period, that inspections determine to be defective in material or workmanship, will be repaired, replaced or remanufactured at Manufacturer's option, provided however, that by so doing we will not be obligated to replace an entire assembly, the entire mechanism or the complete unit. No allowance will be made for shipping charges, damages, labor or other charges that may occur due to product failure, repair or replacement.

This warranty does not apply to and there shall be no warranty for any material or product that has been disassembled without prior approval of Manufacturer, subjected to misuse, misapplication, neglect, alteration, accident or uncontrollable act of nature; that has not been installed, operated or maintained in accordance with Manufacturer's installation instructions; that has been exposed to outside substances including but not limited to the following: sand, gravel, cement, mud, tar, hydrocarbons, hydrocarbon derivatives (oil, gasoline, solvents, etc.), or other abrasive or corrosive substances, wash towels or feminine sanitary products, etc. in all pumping applications. The warranty set out in the paragraph above is

in lieu of all other warranties expressed or implied; and we do not authorize any representative or other person to assume for us any other liability in connection with our products.

Contact Manufacturer at, 3649 Cane Run Road – Louisville, KY 40211-1961, Attention: Customer Support Department to obtain any needed repair or replacement of part(s) or additional information pertaining to our warranty.

MANUFACTURER EXPRESSLY DISCLAIMS LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES OR BREACH OF EXPRESSED OR IMPLIED WARRANTY; AND ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND OF MERCHANTABILITY SHALL BE LIMITED TO THE DURATION OF THE EXPRESSED WARRANTY.

Some states do not allow limitations on the duration of an implied warranty, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.



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