NOTICE TO INSTALLER: Instructions must remain with installation.

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ZOELLER ®

PUMP COMPANY

Zoeller Family of Water Solutions™

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Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

APAK® ALARM SYSTEM INSTALLATION INSTRUCTIONS

FOR YOUR PROTECTION ALWAYS DISCONNECT FROM POWER SOURCE BEFORE HANDLING. The APak® Alarm system has a double insulated plastic enclosure for your protection and is supplied with a 2-prong plug.
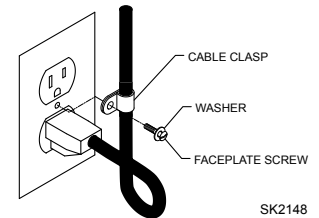
SPECIFICATIONS

This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural and other non-potable water applications. It features a red warning light, green "power on" light, alarm test switch and horn silence switch. APak® primary voltage is 120 V AC, 60 Hz, 2.4 watts max (alarm condition) (circuit is not supervised). Secondary voltage is 9 V DC (circuit is not supervised). Battery backup power is 9 V DC. **NOTE:** 9 V battery is not included and must be purchased separately.

NOTE: The alarm panel plugs into a standard household 120 V AC socket. **DO NOT** plug APak® Alarm System into the same circuit as the pump. The APak® Alarm System should be connected to a circuit separate from the pump circuit. Push test button to check alarm panel for operation.

ALARM PANEL INSTALLATION

1) Before installing alarm panel, remove battery cover on side of alarm panel and install a 9 V battery. (not included)

2) Mount the alarm panel indoors with screws provided. **NOTE**: The mounting screw is to be located over a wall stud or used with a wall anchor sized for a #8 x 1.25 self tapping screw.

3) Hang the panel by the keyhole in the back of the alarm enclosure and install the second screw between the tabs located on bottom of the enclosure.

4) Using the provided cable clamp, secure the power cord to the outlet as shown (see Fig. A). Use existing receptacle faceplate screw and supplied washer.
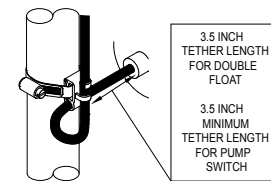

CABLE CLASP
WASHER
FACEPLATE SCREW
SK2148

Figure A

CONTROL SWITCH INSTALLATION

MECHANICAL FLOAT SWITCH
(10-2614)

1) Place cord into clamp and secure to discharge pipe as shown in clamp detail (see Fig. B). **NOTE**: Do not install the cord under the hose clamp.

2) Tighten the hose clamp with a screwdriver. **NOTE**: Do not over tighten; over tightening may cause damage to the plastic clamp.

3) Make sure the float cable is not allowed to touch the excess hose clamp band during operation.

4) The float switch must be suspended seven inches below desired activation level. (see Fig. D)

5) Allow system to cycle to ensure proper operation.

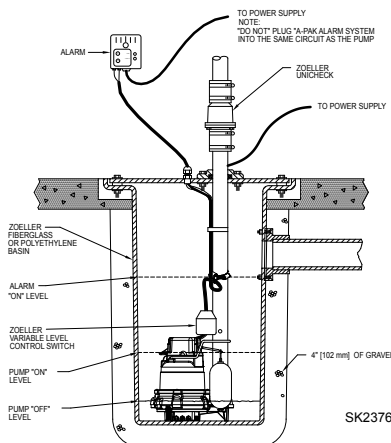### LIFT PUMP

Suspend control switch above pump turn on level. If a pump failure causes high-level condition, the APak® Alarm System will activate (see Fig. C).
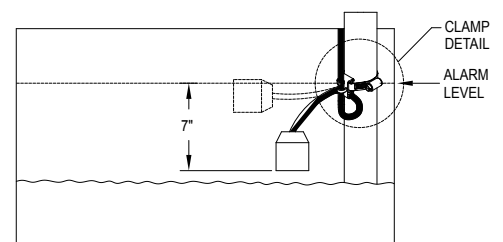

TO POWER SUPPLY
NOTE:
"DO NOT" PLUG "A-PAK ALARM SYSTEM INTO THE SAME CIRCUIT AS THE PUMP
ALARM
ZOELLER UNICHECK
TO POWER SUPPLY
ZOELLER FIBERGLASS OR POLYETHYLENE BASIN
ALARM "ON" LEVEL
ZOELLER VARIABLE LEVEL CONTROL SWITCH
PUMP "ON" LEVEL
PUMP "OFF" LEVEL
4" [102 mm] OF GRAVEL
SK2376

Figure C

CLAMP DETAIL
(Tether Length Non-Adjustable)

3.5 INCH TETHER LENGTH FOR DOUBLE FLOAT

3.5 INCH MINIMUM TETHER LENGTH FOR PUMP SWITCH

SK1301H

Figure B

SEWAGE HOLDING TANK

Suspend control switch into tank seven inches below desired alarm level. APak® Alarm System will activate if float ascends to alarm level (see Fig. D).

CLAMP DETAIL
ALARM LEVEL
7"
SK1301G

Figure D

PN 1012302
MODEL TAAB

CONTROL SWITCH INSTALLATION

VERTICAL REED FLOAT SWITCH
(10-2615)

⚠ **WARNING** **DO NOT** install switch in direct line of incoming liquid.
1) Place the clamp into the switch housing as shown. (see Fig. E).
2) Locate clamp at desired activation level and secure the clamp to the discharge pipe as shown (see Fig. E).
   NOTE: DO NOT install cord under hose clamp.
3) Tighten the hose clamp using a screwdriver. Over tightening may result in damage to the switch housing.
4) Check installation. Allow system to cycle to insure proper operation.
   NOTE: When installing the control switch, a cable strain relief must be used to secure the control switch cord.
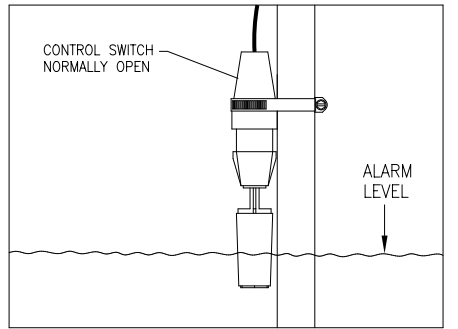

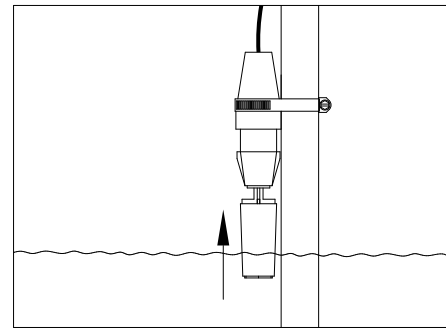
SK1301F_FM0483

Figure E

SK1301G_FM0483

Figure F

NOTE: Alarm system 10-2615 is not intended to be used in sewage holding tank systems.

CONTROL SWITCH WIRING

Connect the two conductors from the control switch to either of the terminations on the bottom of the alarm panel (see Fig. G).
The control switch operates on low voltage and is isolated from the 120 V AC power line to reduce shock hazards.

TEST
Check and test your installation by lifting the float manually (see Fig. D or F). The alarm panel should indicate an alarm condition. The 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. Push TEST button once per week to verify proper operation.
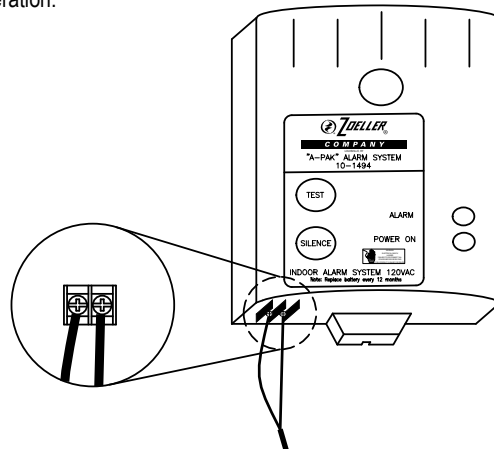

SK2375

Figure G