ALDERON™ Industries

Leading Edge Control Products

Power Post™

Pump Connection Center (standard) | Demand Dose, Integrated Alarm

USER GUIDE

PART/MODEL NUMBERS:

SPPD Series
(Models: PRPT-01 and PRPT-02)

Contents

Introduction

Use the Power Post™ to make a professional and safe connection for power and float switch wiring connections to your on-site septic system. The Power Post™ eliminates a 4" x 4" wood post and the exposed wires for a safe, clean, and quick installation. This system can be used for a wide variety of applications, including but not limited to: septic tanks, holding tanks, pump chambers, and water tanks. Visit our website alderonind.com to view the different options and accessories. In addition, there are a variety of float switches and an optional remote alarm panel that can be used with the Power Post™.

Safety Guidelines

Before proceeding with the installation or operation of this product, read all instructions thoroughly, as well as complying with all federal, state and local codes, regulations, and practices. This product must be installed by qualified personnel familiar with all applicable local electrical and mechanical codes. Refer to the National Electrical Code (NEC) (NFPA 70). Failure to properly install, test, and operate this product can result in personal injury or equipment malfunction.

⚠️ ⚡ **WARNING** 🔥 💥

1. DISCONNECT POWER when installing or servicing the product. Failure to disconnect all power sources could result in serious injury or death.

2. NEVER enter a flooded space without proper Personal Protective Equipment (PPE). Always wear dielectric rubber boots and other applicable protective equipment when water is on the floor and you must service an energized pump, alarm system, or product.

3. DO NOT enter the water if the water level is higher than that of the protection your PPE offers or if your PPE is not watertight.

4. DO NOT use this product with or near flammable liquids.

5. DO NOT install this product in locations classified as hazardous or in explosive atmospheres as defined by any applicable electrical safety code.

USER GUIDE | Power Post™

Product Included

This model includes: (1) Power Post™, (1) Pump Power Receptacle (120VAC or 208/230VAC depending on part number), and (3) WAGO connectors.
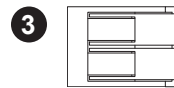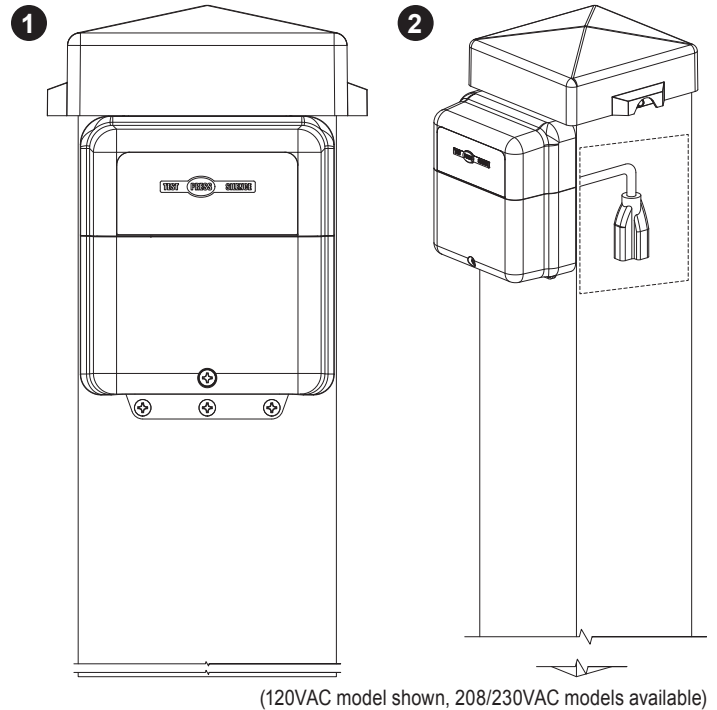
(1) Power Post™
The Power Post™ comes with a 42.5-inch post to install in the ground. The ventilated post cap, cable grips, and junction box are all pre-installed to the post.

(2) Pump Power Receptacle (120VAC shown)
A female, 15A, pump power receptacle is pre-installed (120VAC or 208/230VAC depending on part number).

(3) WAGO Connector
Three WAGO connectors are included and pre-installed on the pump power receptacle for making wire terminations.

(120VAC model shown, 208/230VAC models available)

ADDITIONAL OPTIONS:

(4) Power Post™ Standard Indoor Alarm Panel
The Power Post™ standard indoor alarm is used for remote monitoring of alarm conditions.

(5) Power Post™ WiFi Indoor Alarm Panel
The Power Post™ WiFi indoor alarm is used for remote monitoring of alarm conditions. Connects to the Alderon™ cloud based Vizzy.Site™ to monitor and receive text and email alerts for system conditions.

(6) Alarm Float Switch
The alarm float switch is a typical sensor expected to be used with the Power Post™ for liquid level monitoring.

(7) Pump Float Switch
The pump float switch is used to control the pump directly. When actuated the pump float switch will pass power to the pump.
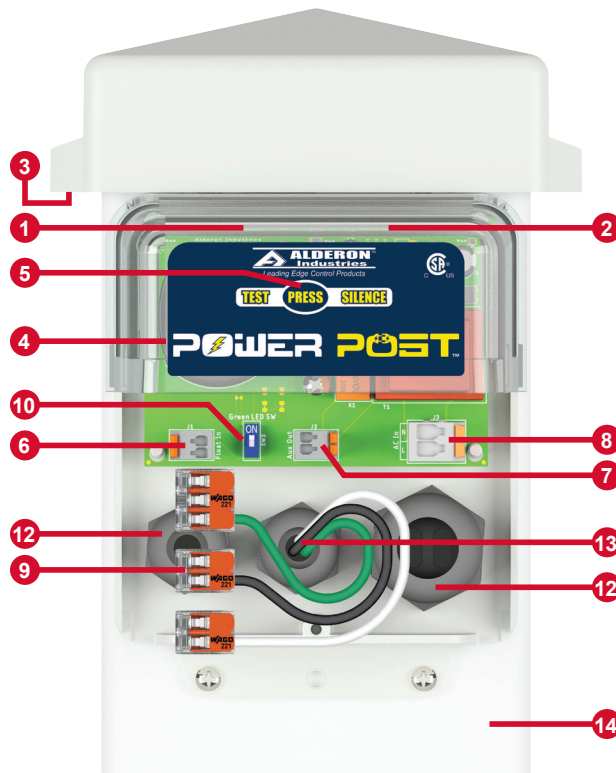
(8) Filter Switch
The filter switch is used to activate an alarm when a septic tank effluent filter needs to be serviced and is universal to any brand of effluent filter that has a one-inch through hole.
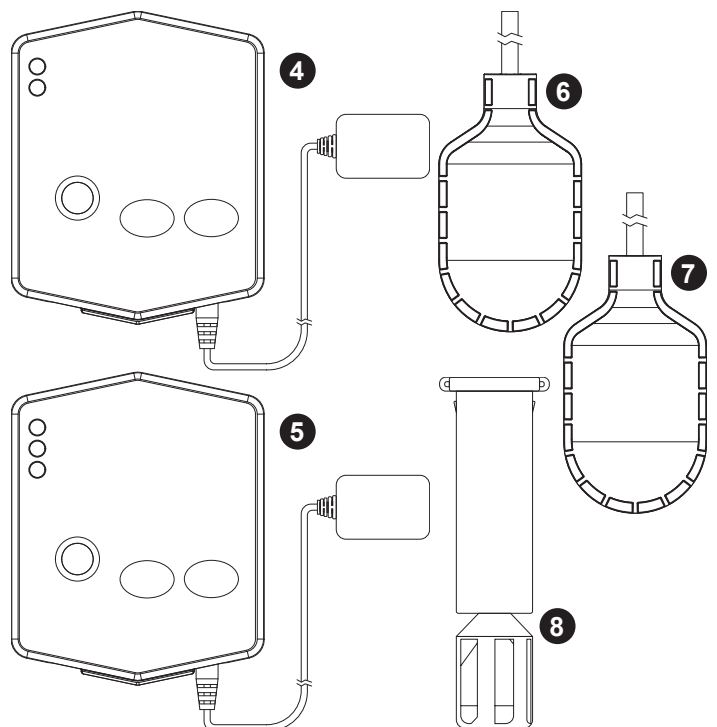
Standard Features

Refer to the illustration below to reference the feature descriptions provided.

(1) Power On Indicator - Green LEDs illuminate the top cover of the enclosure to indicate the power is on.

(2) Alarm Beacon - During an alarm condition, the green power on indicators will turn off and the red alarm LEDs will illuminate, flashing inside the top cover of the enclosure.

(3) Vented Post Cap - Allows airflow to prevent the build up of gases and condensation inside the post.

(4) Alarm Buzzer - The alarm buzzer will annunciate in addition to the visual indication provided by the red LEDs inside the top cover of the enclosure during an alarm condition.

(5) Test/Silence Pushbutton - This button may be used to either test or silence the alarm. If the alarm is not in the state of an alarm condition, the button will test the alarm activating the alarm beacon and buzzer. During an alarm condition, it will silence the buzzer and the red LEDs will stop flashing and turn solid.

(6) Sensor Input - One set of sensor terminals are included for the high level alarm float switch connection which activates the alarm.

(7) Auxiliary Contacts - One set of auxiliary contact terminals are included allowing the alarm to interface with an external device. The contacts are rated for 24VDC at 0.5A maximum.

(8) Alarm Power - The alarm has terminals for the line (L1) and neutral (N) wires to install 120VAC alarm power from the mains. If 230VAC alarm power is needed, call factory for options.

(9) WAGO Connectors - Pre-installed to the female power receptacle to terminate the pump power connections.

(10) Power Indicator Turn Off - Flip switch down to turn off green power LEDs. Reverse process to turn power indicators back on, flip switch up.

(11) QR Code (not shown) - Scan code which directs you to alderonind.com where additional information can be found for the Power Post™.

(12) Cable Grips - Pre-installed, making it easy to run wire in and out of the enclosure. Creates a liquid and gas tight strain relief connection when securely fastened.

(13) Pump Power Receptacle (not shown) - A female, 15A, pump power receptacle is pre-installed. Available in 120VAC or 230VAC models.

(14) Post - Provides wire routing access for system power and pump power while protecting from water intrusion.

Installation

⚡ DISCONNECT ALL POWER SOURCES WHEN INSTALLING OR SERVICING THIS PRODUCT. FAILURE TO TURN OFF ALL POWER SOURCES COULD RESULT IN SERIOUS INJURY OR DEATH.

## Installing Post

STEP 1: INSTALL POST
<u>CAUTION:</u> Prior to mounting or installation, the enclosure on the post MUST be at a minimum height of 12.0" (inches) above grade.

1. Determine the installation type based on the riser in the monitoring area. Typically there are two types of risers, the first will have a cap which matches the width of the riser (1A) and the second will have a cap that extends past the width of the riser (1B). For applications where a riser cap extends past the width, a PVC spacer should be used (1B).

1A

12-inches (minimum)

(post)   (riser)

1B

12-inches (minimum)

(post)   (riser)

PVC Spacer
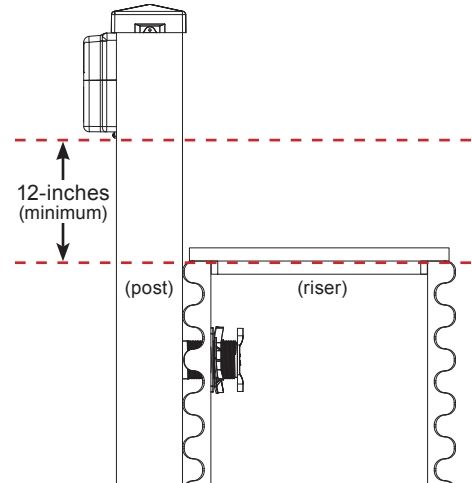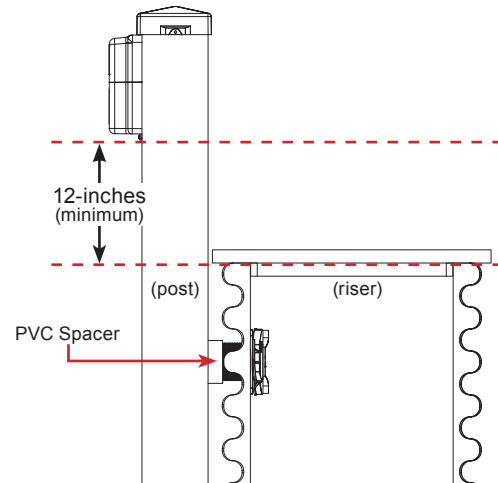
2. Determine the location for an access hole on the post and riser. Make sure they align to meet the minimum above grade height requirement (1D).

Note: Alderon™ offers a 2.0" and 2.5" riser connection kit. See below for recommended hole sizes per riser type.

3. Use a hole saw to drill out a hole on the post and riser. The recommended hole size for a 2.0-inch riser kit is 2-3/8" and the recommended hole size for a 2.5-inch riser kit is 2-7/8".

4. Insert the threaded nipple inside the post and through the drilled out access hole in the riser (1C).

(post)   (riser)

1C →   ↕ 1D
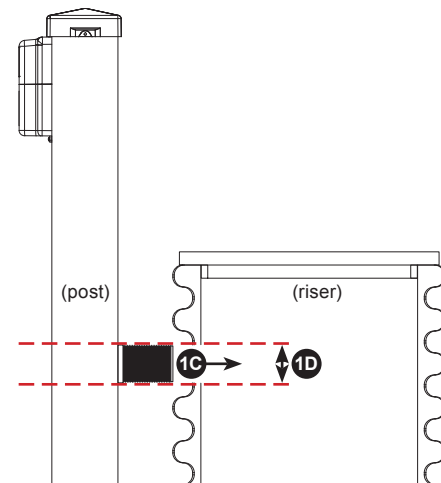
Installing Post (continued)

STEP 2: INSTALLATION and ASSEMBLY of RISER KIT

1. On the inside of the riser, place the rubber gasket (#2) on the threaded nipple (#1). It must be positioned so the lettering TOP with arrow is facing upward. The gasket also includes the lettering INSIDE, when positioned correctly, it should be displayed on the left and right facing inward to the riser. (2A)

2. Place the lock nut (#3) on the threaded nipple (#1) and rotate clockwise until completely tight. Make sure the lettering "TOP" on the gasket remains at the top (so that the gasket did not rotate).

3. Run the pump power, pump float switch, and alarm float switch cables through the raceway. Then continue through the raceway and to the appropriate height inside the post for wiring.

4. Take the 3-hole rubber cord grommet (#4) which has slits next to the holes and insert cables through the pre-labeled locations to match the type of cable for easy reference and troubleshooting (pump power, pump switch, control switch, and filter switch). Then insert the rubber cord grommet into the raceway. If using a filter switch, a fourth hole is included and must be drilled out using an 11/32-inch drill bit and a slit must be cut into grommet to accept the cable.
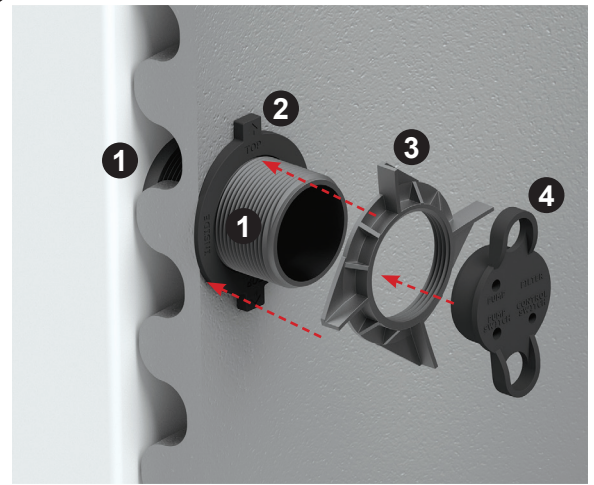
Note: Seal all conduits to prevent moisture and gases from entering the post per local codes.

RISER CONNECTION KIT - INDIVIDUAL COMPONENTS

Refer to the individual components of the riser connection kit listed below and shown in the diagram to reference during the installation and wiring process.

- 1 = Threaded Nipple
- 2 = Rubber Gasket
- 3 = Lock Nut
- 4 = Rubber Cord Grommet
    - i. Pump Power (pre-drilled; top left)
    - ii. Filter Switch (optional; top right)
    - iii. Pump Switch (pre-drilled; bottom left)
    - iv. Control Switch (pre-drilled; bottom right)
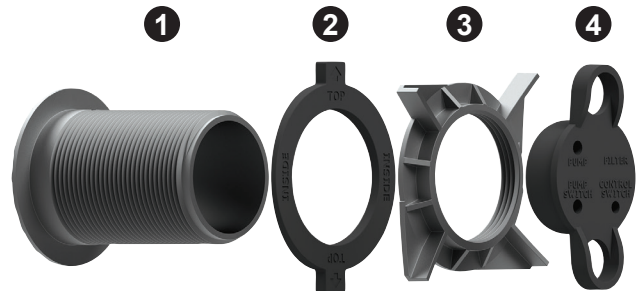
INSTALLATION EXAMPLE

The diagram shows a typical installation of a Power Post™ to a riser using an Alderon™ riser connection kit.
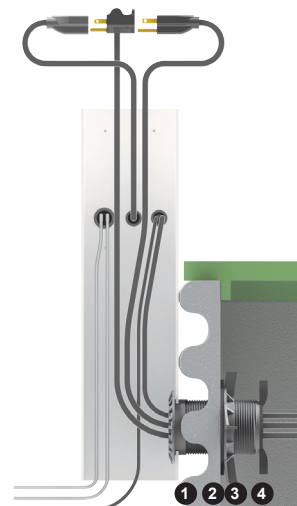
Installing Post (continued)

STEP 3: REMOVE / INSTALL BOTTOM COVER
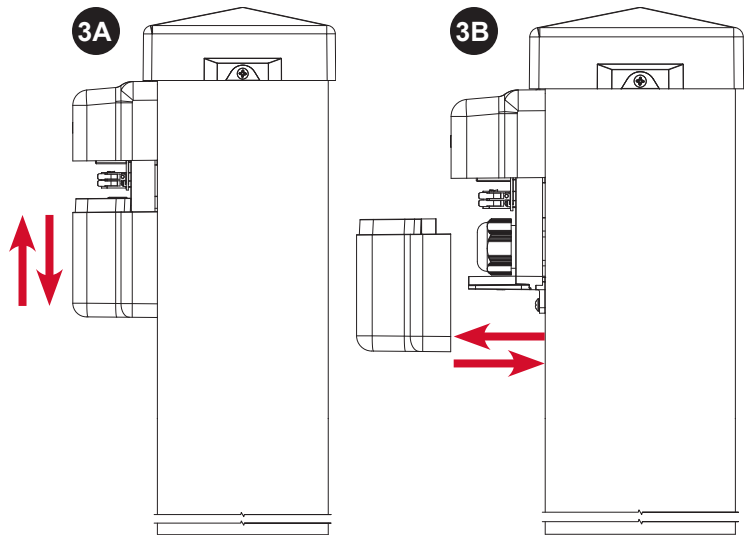Remove the bottom enclosure cover screw, slide directly downward (3A) and then pull directly away from the enclosure (3B). To install, line up the bottom enclosure cover with the grooves (3B), then slide directly upward (3A) until it meets the top of the enclosure so the screw hole is lined up and replace the screw at the bottom of the enclosure.


STEP 4: REMOVE / INSTALL POST CAP
To remove or install the post cap see the steps listed below and shown in the diagram. Keep the post cap off until installation and testing are completed for wiring access.

Remove Post Cap:
  1) Remove screws and lift the cap upwards.

Install Post Cap:
  1) Position the cap with text FRONT (with arrows) forward.
  2) Align the fastener holes.
  3) Fasten the screws to secure the cap the post.
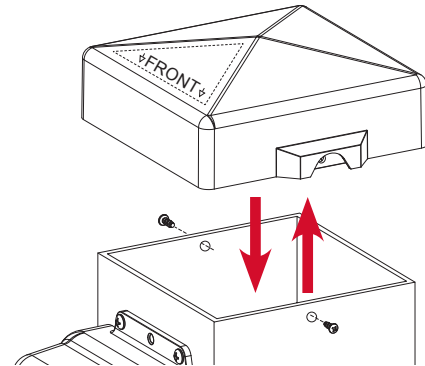
Wiring

STEP 1: INSTALLING WIRE INTO WAGO CONNECTORS
Before making wire connections and terminations, carefully read this section for proper functions of both types of WAGO connectors used with this product.

WARNING: Improper use of the connectors will cause damage to components. DO NOT use mechanical tools to open or close, hand usage only for proper installation and component integrity.

TO OPEN WAGO   TO CLOSE WAGO

Wire Termination - Splice Connector WAGO (1A):
  1) Lift tab(s) upward.
  2) Insert wire(s) into slot.
  3) Press tab(s) downward.
  4) Make sure wire(s) are secured.

Wire Connection - Quick Snap Terminal WAGO (1B):
  1) Press tab(s) outward. DO NOT open past a 40° angle to avoid risk of breaking the tab(s).
  2) Insert wire(s) into slot.
  3) Press tab(s) inward.
  4) Make sure wire(s) are secured.

TO OPEN WAGO   TO CLOSE WAGO
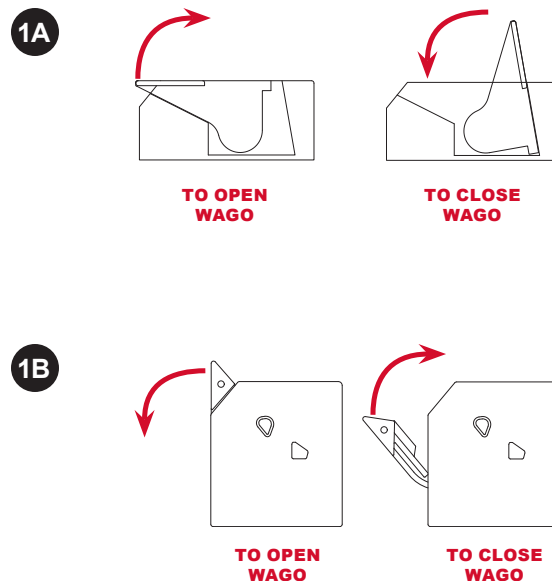
Wiring (continued)

STEP 2: WIRING

The wiring diagram shows six terminals of three separate quick snap WAG connectors on the circuit board that consists of three pairs of connections for the sensor, auxiliary contacts, and alarm power. The pre-installed WAGO connectors are for power/ground wire termination.

1) The first pair of terminals (1 and 2) are for the sensor connections, which are routed through the cable grip on the left side of the panel. The sensor is typically a float switch, but most digital switch sensors will work with the sensor input. After installing sensor cable to the alarm panel, firmly tighten the cable grip.

2) The second pair of terminals (3 and 4) are for the optional auxiliary contacts. This connection can be used on most digital peripheral alarm monitors or extensions. Bring the wire through the cable grip on the left side of the panel.

3) The cable grip on the right side of the panel has a divider allowing for two power sources to be brought into the alarm panel. The bottom side of the cable grip is used for the pump power, which are terminated by WAGO connectors on the female receptacle. The female receptacle comes pre-installed in the middle cable grip. The the top half of the cable grip is for the alarm power, which is connected to terminals 5 and 6. Terminal 5 is the line (L1) connection and terminal 6 is the neutral (N) connection. After bringing in the cables, firmly tighten the cable grip.

4) NEVER leave ground wire(s) exposed, use provided WAGO connector for wire termination.
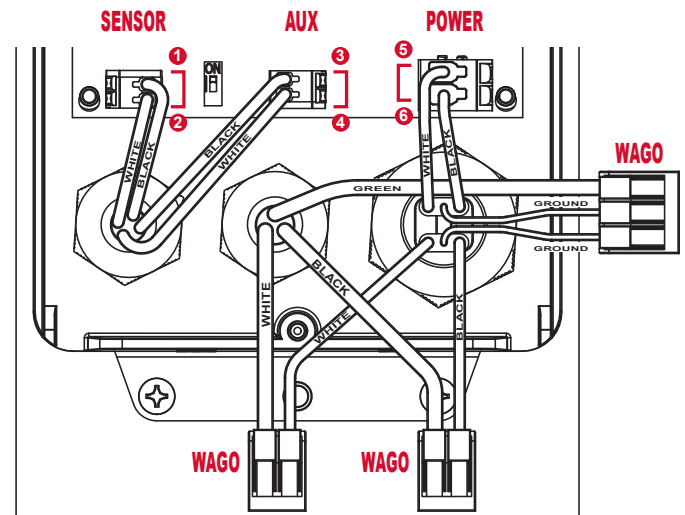
STEP 3: PIGGYBACK PLUG CONNECTIONS

1) Plug the male end of the piggyback plug on the pump switch power cable into the pre-installed female power receptacle inside the post (3A).

2) Plug the male end of the pump power cable into the female end of the piggyback plug on the pump switch power cable (3B) from step 3-1.

Note: The installation example shown is for a 120VAC system, use the same process when connecting 208/230VAC piggyback power cables.

(120VAC example shown)

Pre-Installed Female Power Receptacle

Pump Switch Piggyback Plug Power Cable

Pump Power Cable
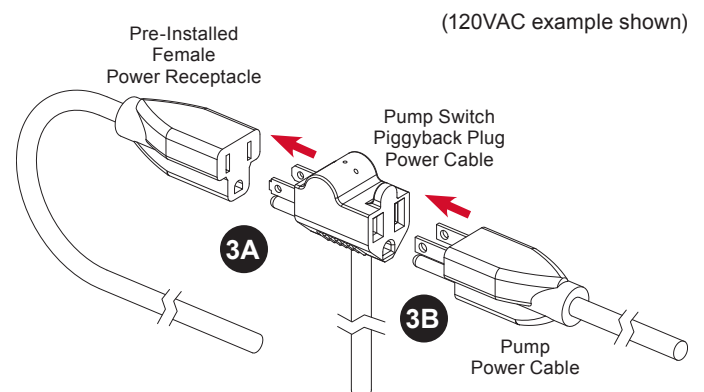
Testing

Make sure the installation process is completed and there is power to the product. The wiring diagram and testing steps are for a typical system setup using an alarm float switch, auxiliary contacts (i.e., indoor alarm), incoming alarm power, and incoming pump power that consists of six pairs of connections.

STEP 1: TEST ALARM
Press and hold the test/silence pushbutton on the front of the enclosure. The red LEDs should illuminate (flashing), buzzer should annunciate, and auxiliary contacts should activate.

STEP 2: TEST ALARM FLOAT SWITCH
The alarm float switch should be connected to the sensor terminals (1 and 2). Activate the alarm float switch, the red LEDs should illuminate (flashing), buzzer should annunciate, and auxiliary contacts should activate.

STEP 3: TEST ALARM SILENCE
Press the test/silence pushbutton on the front of the enclosure while the alarm float switch is activated. The red LEDs should stop flashing and turn solid, buzzer should silence, and auxiliary contacts should remain activated. The silence condition will clear when the alarm float switch is deactivated and the alarm will auto reset for the next alarm cycle.

STEP 4: TEST FILTER SWITCH
The filter switch should be connected to the sensor terminals (1 and 2; not shown). Activate the filter switch, the red LEDs should illuminate (flashing), buzzer should annunciate, and auxiliary contacts should activate. The alarm condition should clear when the filter switch is deactivated and the alarm will auto reset for the next alarm cycle.

STEP 5: TEST PUMP AND PUMP FLOAT SWITCH
The male end of the piggyback plug on the pump switch power cable should be connected to the female end of the pre-installed pump power receptacle on the Power Post™, and then the male end of the pump power cable should be connected to the female end of the piggyback plug pump switch. Make sure the tank has water to perform pump and pump float switch testing. Activate the pump float switch, the pump should turn on and remain on until the pump float switch is deactivated.

STEP 6: TEST WEEKLY
To ensure the product is functioning properly, test once a week.

Power Post™ Alarm Circuit Board Terminals:

T-1 and T-2   =   Alarm Float Switch/Sensor
T-3 and T-4   =   Auxiliary Contacts
T-5 and T-6   =   Alarm Power (120VAC, L1 and N)
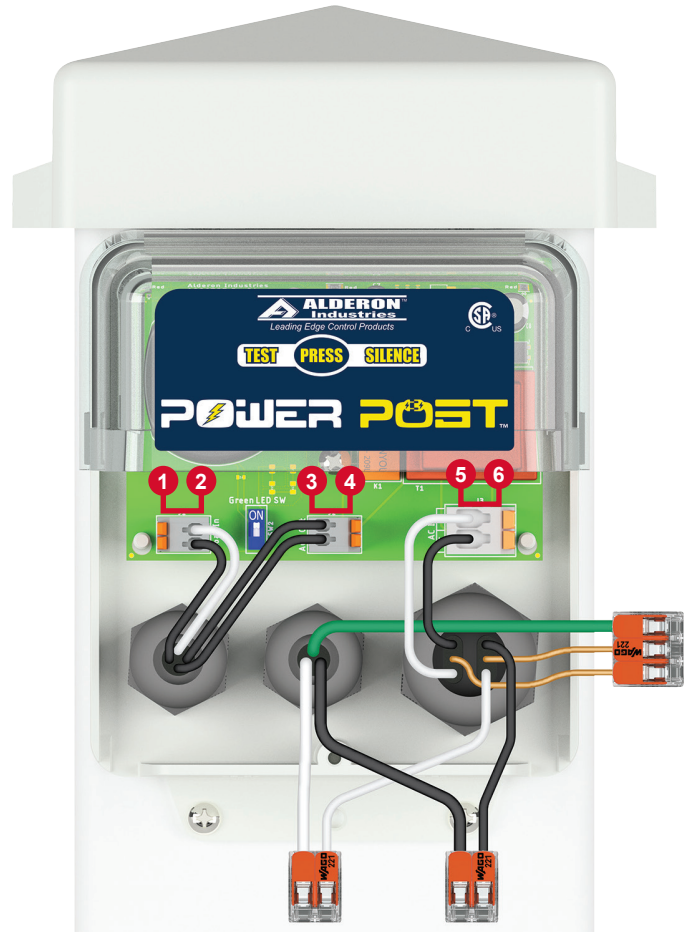
Final Installation

STEP 1: BACKFILL
Once all steps of the installation and wiring are complete, plus a test of the system has been performed to ensure proper operation, take the dirt/soil removed and backfill the area dug for the post and riser.
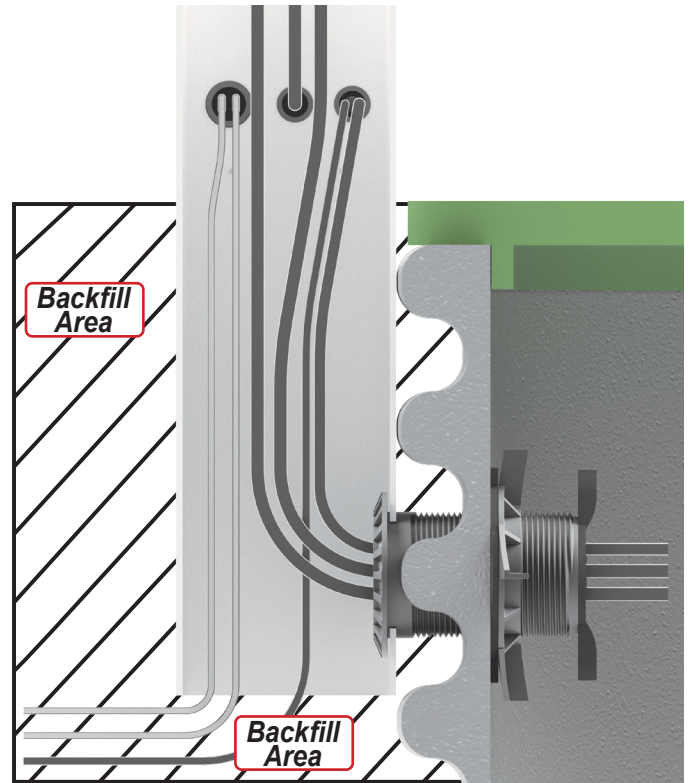
General Operation

The Power Post™ allows for easy connection of pump power, pump float switch, high level alarm float switch, and is equipped with audible and visual alarm indication. The Power Post™ has several float switch and accessory options. The applications are not limited to what is listed in this user guide. Follow all individual instructions for float switches and accessories used with the Power Post™.

The following applications can be found in this user guide: Septic Tank Monitoring, Septic Tank Monitoring with Standard Indoor Alarm, and Septic Tank Monitoring with WiFi Indoor Alarm.

Septic Tank Monitoring

The diagram below displays the typical setup for septic tank monitoring. The setup includes: Power Post™, alarm float switch, and pump float switch. The Power Post™ is installed into the ground and attached to the septic tank riser. The pump is plugged into the piggyback plug of the pump float switch. When the pump float switch is activated, the pump will turn on and continue to run until the pump float switch is deactivated. The alarm float switch is wired to the sensor input. When the alarm float switch is activated, the top cover of the Power Post™ enclosure will flash red and the buzzer will annunciate. The alarm condition will stay on until the alarm float switch is deactivated.

If the silence pushbutton is pressed during an alarm condition, then the top cover of the Power Post™ enclosure will turn solid red and the buzzer will silence. The silence condition will reset when the alarm float switch deactivates. If the alarm is in silence mode for longer than 24 hours, the alarm will reactivate.

If desired to have a remote alarm indicator, a Power Post™ standard or WiFi indoor alarm can be installed (not shown). The Power Post™ indoor alarm would have one input connected to the Power Post™ auxiliary contacts. When the Power Post™ is in an alarm condition, the Power Post™ indoor alarm is as well.
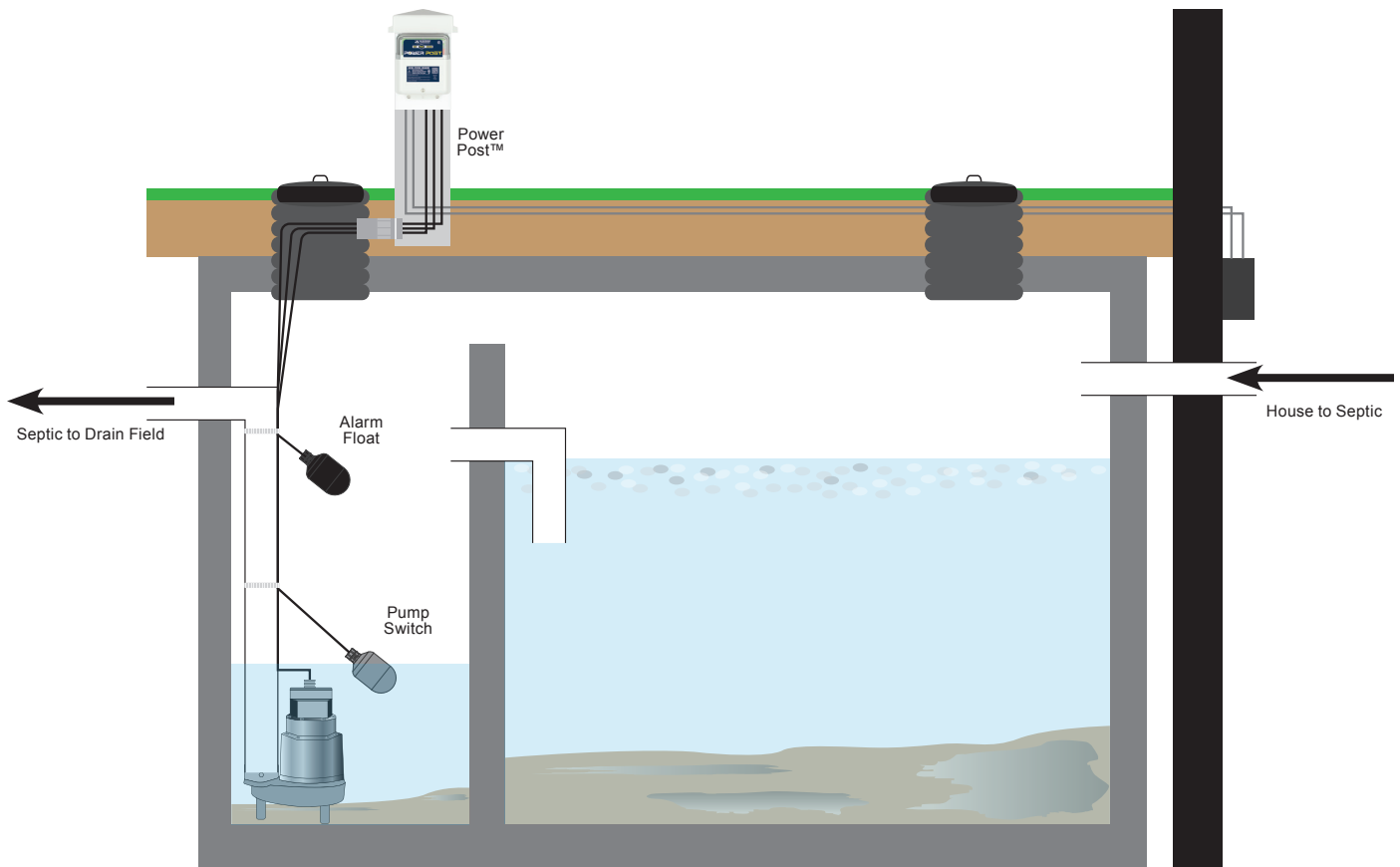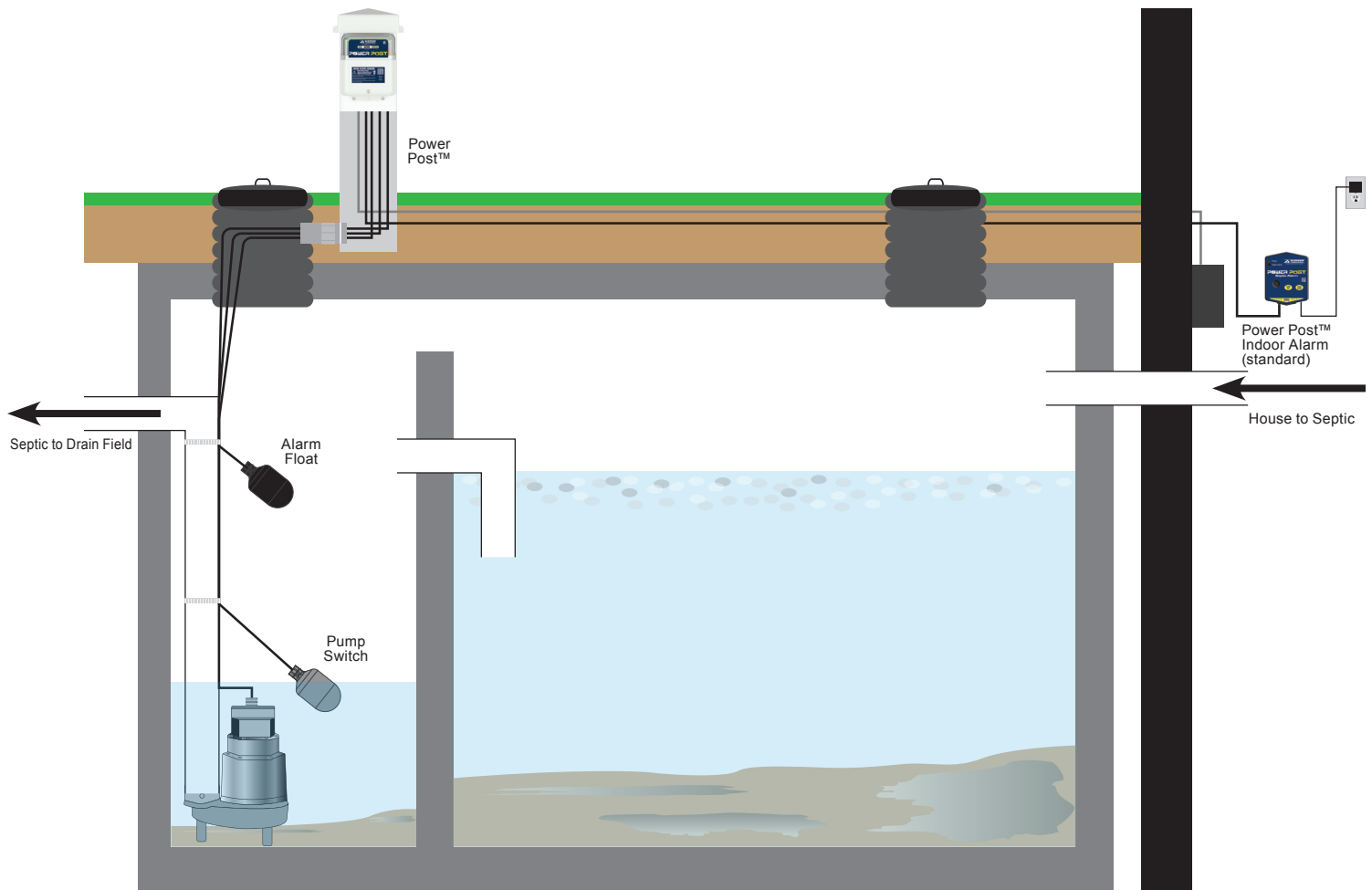
Septic Tank Monitoring - Standard Indoor Alarm

The diagram below displays the typical setup for septic tank monitoring with a Power Post™ standard indoor alarm using the alarm auxiliary contacts. The setup includes: Power Post™, alarm float switch, pump float switch, and Power Post™ standard indoor alarm. The Power Post™ is installed into the ground and attached to the septic tank riser. The pump is plugged into the piggyback plug of the pump float switch. When the pump float switch is activated, the pump will turn on and continue to run until the pump float switch is deactivated. The alarm float switch is wired to the sensor input. When the alarm float switch is activated, the top cover of the Power Post™ enclosure will flash red, the buzzer will annunciate, and auxiliary contacts close activating the Power Post™ indoor alarm. The alarm condition will stay on until the alarm float switch is deactivated.

If the silence pushbutton is pressed during an alarm condition, then the top cover of the Power Post™ enclosure will turn solid red and the buzzer will silence. The silence condition will reset when the alarm float switch deactivates. If the alarm is in silence mode for longer than 24 hours, the alarm will reactivate.

During an alarm condition, the Power Post™ standard indoor alarm will activate, the red alarm LED should illuminate, buzzer should annunciate, and auxiliary contacts should activate. The alarm condition of the Power Post™ indoor alarm will stay on until the Power Post™ system auxiliary contacts or alarm sensor(s) are deactivated. If the alarm silence pushbutton is pressed during an alarm condition the alarm LED remains illuminated and buzzer will silence. The silence condition will reset when the Power Post™ system auxiliary contacts or alarm sensor(s) are deactivated and the Power Post™ indoor alarm will auto reset for the next alarm cycle.
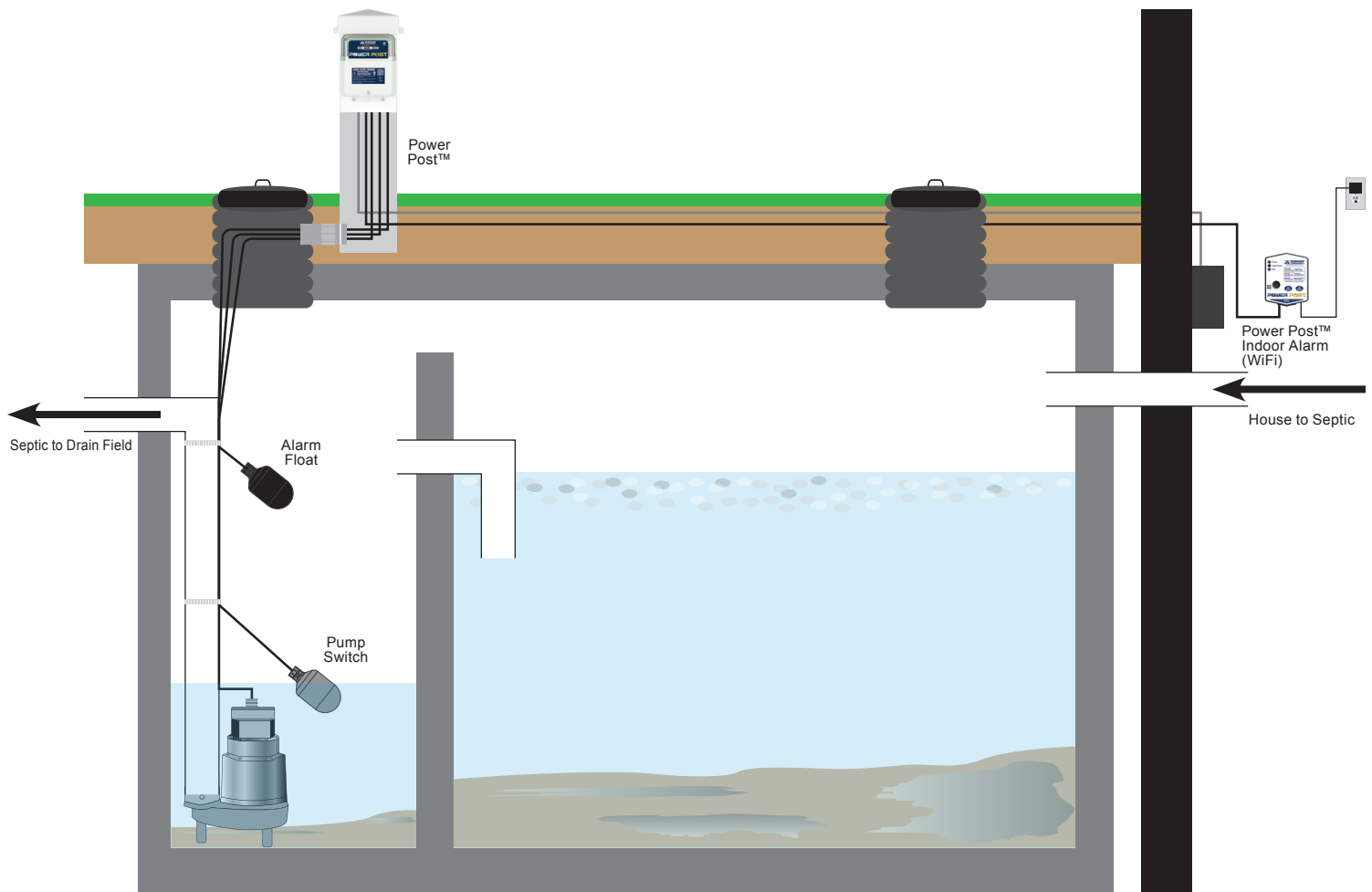
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Septic Tank Monitoring - WiFi Indoor Alarm

The diagram below displays the typical setup for septic tank monitoring with a Power Post™ WiFi indoor alarm using the alarm auxiliary contacts. The setup includes: Power Post™, alarm float switch, pump float switch, and Power Post™ WiFi indoor alarm. The Power Post™ is installed into the ground and attached to the septic tank riser. The pump is plugged into the piggyback plug of the pump float switch. When the pump float switch is activated, the pump will turn on and continue to run until the pump float switch is deactivated. The alarm float switch is wired to the sensor input. When the alarm float switch is activated, the top cover of the Power Post™ enclosure will flash red, the buzzer will annunciate, and auxiliary contacts close activating the Power Post™ indoor alarm. The alarm condition will stay on until the alarm float switch is deactivated.

If the silence pushbutton is pressed during an alarm condition, then the top cover of the Power Post™ enclosure will turn solid red and the buzzer will silence. The silence condition will reset when the alarm float switch deactivates. If the alarm is in silence mode for longer than 24 hours, the alarm will reactivate.

During an alarm condition, the Power Post™ WiFi indoor alarm will activate, the red alarm LED should illuminate, buzzer should annunciate, and auxiliary contacts should activate. When connected and registered to the Alderon™ cloud based Vizzy.Site™ the alarm sends texts and email alerts for system conditions. The alarm condition of the Power Post™ indoor alarm will stay on until the Power Post™ system auxiliary contacts or alarm sensor(s) are deactivated. If the alarm silence pushbutton is pressed during an alarm condition the alarm LED remains illuminated and buzzer will silence. The silence condition will reset when the Power Post™ system auxiliary contacts or alarm sensor(s) are deactivated and the Power Post™ indoor alarm will auto reset for the next alarm cycle.

Power Post™

Power Post™ Indoor Alarm (WiFi)

House to Septic

Septic to Drain Field

Alarm Float

Pump Switch

Troubleshooting

PROBLEM	PROBABLE CAUSE	SOLUTION
Green LEDs do not turn on during initial setup	Power not applied or power loss	Check to see if alarm is plugged in, have qualified personnel check receptacle with voltmeter and make sure circuit breaker is not tripped
	Green LEDs turn off feature activated	Check green power LEDs switch to make sure it is in the on position (up), if off (down), flip the switch up and back to the on position
If using a float switch, the alarm condition resumes with an empty tank	The float switch is hung up on something	Make sure the float switch is free of obstructions and the cable is tethered at desired location in a secure fashion
	The float switch contacts could be stuck shut	Replace the float switch
If using a vertical switch, the alarm condition resumes with an empty tank	The float on the vertical switch could be dirty with build up to restrict float movement	Pull up vertical switch, clean it off and check for free movement of the float on the post
	The vertical switch contacts could be stuck shut	Replace the vertical switch
Sensor is activated, but the red alarm LEDs are solid and the buzzer is not annunciating	The silence pushbutton has been pressed and an alarm condition is present	Wait for sensor to deactivate and ensure the alarm auto resets for next alarm cycle (green power LEDs)
The auxiliary contacts are not activating	If the sensor is not activated, then the auxiliary contacts should also be off with no alarm condition	Test the alarm and the auxiliary contacts should work while the alarm is activated

Specifications

Pump Power Receptacle:	120VAC, 15A, 60 Hz
Pump Power:	120VAC, 13A or 15A, 60 Hz (voltage/amps depends on model/part number)

Alarm Power:	120VAC, 60 Hz
Power Consumption:	2.64 Watts maximum (alarm condition)
Auxiliary Contacts:	24VDC @ 0.5 Amps maximum
Enclosure:	Outdoor, rated Type 3R
Certifications:	FCC Part 15 (US and Canada), CSA (US and Canada)

FCC Part 15:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: increase the separation between the equipment and receiver, connect the equipment into an outlet on a circuit different from that to which the receiver is connected, consult the dealer or an experienced radio/TV technician for help. Caution: changes / modifications not approved by Alderon Industries could void the user's authority to operate the equipment.

System Model Number Nomenclature

SPPD12231
1 **2 3 4 5 6**

NUMBER	CATEGORY	TYPE / EXAMPLE
1	Base Model	SPPD = Power Post™ Standard, Demand Dose
2	Pump Voltage	1 = 120VAC Pump 2 = 230VAC Pump
3	Remote Alarm Options	X = No Remote Alarm Option 1 = 1-Zone Indoor Alarm, Standard 2 = 1-Zone Indoor Alarm, WiFi
4	Alarm Sensor Options	1 = 20' Alarm Float 2 = 20' Alarm Float and 20' Filter Switch
5	Pump Switch Options (piggyback plug models)	X = No Pump Switch Option 1 = 15 Amp, 20' Narrow Angle Pump Switch 2 = 15 Amp, 20' Wide Angle Pump Switch 3 = 15 Amp, 20' DoubleMax™ 2-Float Pump Switch
6	Riser Kit and Access Panel Options	X = No Riser Kit or Access Panel Option 1 = 2.0" Riser Connection Kit 2 = 2.5" Riser Connection Kit 3 = No Riser Kit with Access Panel 4 = 2.0" Riser Connection Kit with Access Panel 5 = 2.5" Riser Connection Kit with Access Panel

Example Shown: Power Post™ Standard, Demand Dose, 120VAC, 1-Zone Indoor Alarm (WiFi), 20' Alarm Float, 20' Filter Switch, 15A 20' DoubleMax™ 2-Float Pump Switch, 2.0" Riser Connection Kit

Warranty Information

Three-Year Limited Warranty - Standard Products

LIMITED WARRANTY: Subject to the conditions of this Three-Year Limited Warranty, Alderon Industries, LLC ("Alderon") warrants to the original user or consumer of an Alderon product (the "Product") that, for a period of three (3) years from the date of manufacture, the Product will be free from defects in materials and workmanship under normal use and service, and provided the Product is installed, operated and maintained in accordance with instructions supplied by Alderon.

WARRANTY EXCLUSIONS: Notwithstanding anything to the contrary, this Limited Warranty does not cover:
1. Alderon custom control units. Please see the One-Year Limited Warranty – Custom Controls.
2. Damage, defects or malfunctions resulting from (a) failure to properly install, operate or maintain the Product in accordance with printed instructions provided and with applicable local codes, ordinances and good trade practices; (b) normal wear and tear; (c) abuse, accident or negligence; (d) de-installation and movement of the Product from its original installation location; (e) repair and/or modification of the Product without prior authorization from Alderon; (f) use of the Product for purposes other than for what it was designed and manufactured; or (g) conditions beyond the control of Alderon, including lightning and freight damages (hidden or visible). **Contact parcel or the freight company for claims on freight damage in transit.**
3 Cost of field labor or other charges incurred by you in removing and/or re-affixing the Product or any part or component thereof.
4. Transportation costs.

CLAIM PROCEDURE: To make a claim regarding breach of warranty, (a) the claim must be received by Alderon before the expiration of the warranty period; and (b) the defective Product, or part thereof, must be returned to a designated Alderon location, **FREIGHT PREPAID,** together with proof of purchase. A return goods authorization must be received prior to the return of the defective Product or part. Please contact the sales representative in your area to determine the designated Alderon location for return and to obtain the return goods authorization. If you do not have a sales representative in your area, please call 218-483-3034 to submit your claim, or mail notice of your claim to:

> Warranty Claims
> Alderon Industries, LLC
> P.O. Box 827
> Hawley, MN 56549

EXCLUSIVE REMEDY: In the event of a warranty claim that Alderon determines to be covered by this Limited Warranty, Alderon will, at its option, repair or replace the Product.

The above limited warranty and this exclusive remedy are the sole express warranty and remedy given by Alderon on the Product. No warranties or representations at any time made by any representative from Alderon shall vary or expand the provisions hereof. TO THE EXTENT PERMITTED BY LAW, ALL EXPRESS AND IMPLIED WARRANTIES (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT) OTHER THAN THE EXPRESS LIMITED WARRANTY SET FORTH ABOVE ARE EXPRESSLY DISCLAIMED. UPON THE EXPIRATION OF THE ABOVE STATED LIMITED WARRANTY PERIOD, ANY AND ALL APPLICABLE IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT, ARE DISCLAIMED. SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION 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.

LIABILITY LIMITATION: In no event will Alderon's liability to you or any other person or entity exceed the price paid to Alderon for the defective Product. IN NO EVENT SHALL ALDERON BE LIABLE TO YOU OR ANY OTHER PERSON OR ENTITY FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SPECIAL DAMAGES OF ANY DESCRIPTION, WHETHER ARISING OUT OF WARRANTY (INCLUDING ANY IMPLIED WARRANTIES) OR ANY OTHER CONTRACT, STRICT LIABILITY, NEGLIGENCE OR OTHER TORT, OR OTHERWISE, INCLUDING ARISING FROM INSPECTION OR REMEDY DELAYS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION AND EXCLUSION MAY NOT APPLY TO YOU.

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