Power Post™ Control Panel

Pump Connection Center | Timed or Demand Dose, Integrated Alarm

42.5-INCH POST | 15 AMP, 120/240VAC

DESCRIPTION OF OPERATION

Alderon Industries™ | Patent Pending

Use the Power Post™ Control Panel to make a professional and safe connection for power and float switch wiring connections to your on-site septic system. The Power Post™ comes with a 42.5-inch post to install in the ground with the vented post cap, cable grips, and junction box all pre-installed to the post which 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: mound systems, pressurized drain fields, or any system requiring timed or demand dose pumping and monitoring. Available models include 120VAC and 240VAC.

The Power Post™ Control Panel has an integrated outdoor alarm equipped with LED indicators (various colors), buzzer, and test/silence pushbutton. The top of the enclosure changes color along with system function displayed text on the OLED screen for easy troubleshooting information. Menu keys are provided to program settings and view data such as: pump cycle counts, pump amps, elapsed time, total gallons pumped, pump dosing events, alarm conditions and more.

The system includes terminals to connect a pump control float switch, high level alarm float switch, and filter switch. Use the auxiliary alarms for monitoring high liquid level and service of the effluent filter.

STANDARD FEATURES
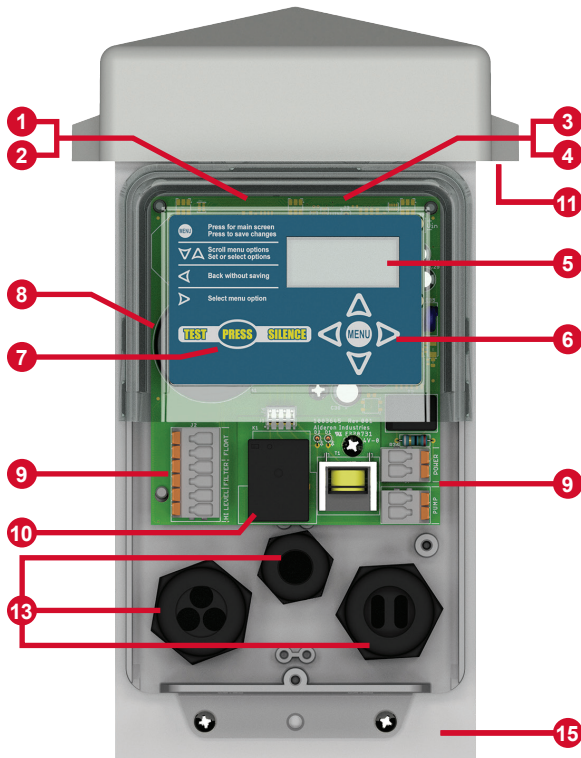
(1) Power On Indicator - Green LEDs illuminate to indicate the unit is powered on. Note: Disable LED indicators in system settings.

(2) Alarm Beacon - Alarm LEDs (various colors) illuminate, flashing.

(3) Pump Run Indicator - Blue LEDs illuminate to indicate a pump run event. Note: Disable LED indicators in system settings.

(4) System LED Indicators - Multiple color indicators illuminate for both system events and/or alarm conditions.

(5) OLED Display Screen - Displays system functions.

(6) Menu Keypad - Toggle between system functions, program settings, or view all lifetime data stored.

(7) Test/Silence Pushbutton - Quick access to lifetime pump run event counter statistic, test or silence the alarm, or exit the menu system.

(8) Alarm Buzzer - Annunciates to indicate an alarm event.

(9) Quick Snap Terminal Blocks - A pair of four-position terminal blocks for system power, pump power, alarm or control switches, and filter switch.

(10) Control Relay - Controls current through the pump circuit and is removable, ideal for systems with high usage environments.

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

(12) QR Code (not shown) - Scan code for product information.

(13) Cable Grips - Pre-installed, creates a liquid and gas tight strain relief connection when securely fastened.

(14) Pump Power Receptacle (not shown) - A female, 15A, pump power receptacle is pre-installed. Available in 120VAC or 240VAC models.

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

SPECIFICATIONS

Power Post™ - Pump Connection Center | Timed or Demand Dose, Integrated Alarm

Pump Power Receptacle
120VAC or 240VAC, 15A, 60 Hz
(voltage depends on model/part number)

Pump Power
120VAC or 240VAC, 13A or 15A, 60 Hz
(voltage/amps depends on model/part number)

Alarm Power
120VAC, 60 Hz
(240VAC, 60 Hz available; consult factory)

Power Consumption
14 Watts maximum *(alarm condition)*

Enclosure
Type 3R, Outdoor

Certifications
FCC Part 15 *(US and Canada)*
CSA *(US and Canada)*

Three-Year Limited Warranty

MECHANICAL DRAWING

6.20" 7.70"
42.5" 7.48"
5.00" 5.00" 4.92"
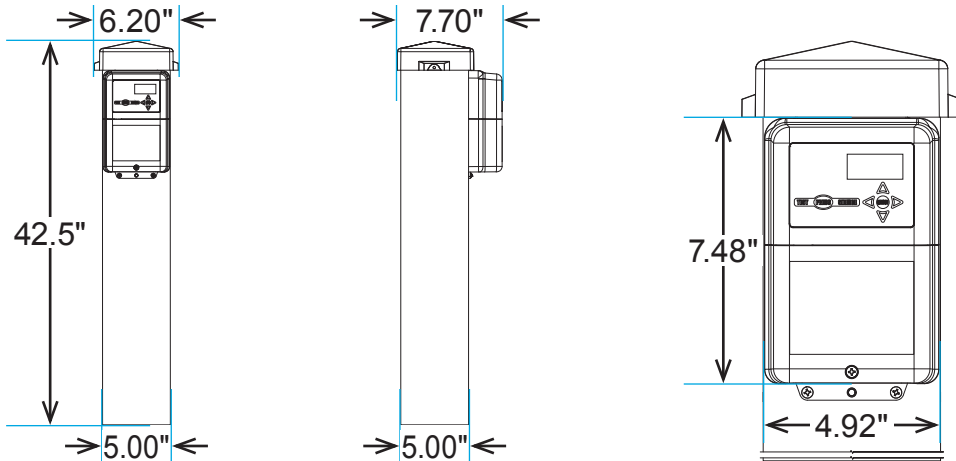
Power Post™ Control Panel | Timed or Demand Dose - System Functions and Event Displays

ENCLOSURE LED INDICATOR	SYSTEM FUNCTION DISPLAYED TEXT	DESCRIPTION OF SYSTEM FUNCTION
Green Continuous	SYSTEM NORMAL	System is Normal
Blue Continuous	PUMP RUN or DOSE ON	Pump is Running Normal during Pump Run, Normal Dose On, and Peak Dose On Events
Red/Blue Alternating	EXT PUMP ALARM	Alarm - Pump is Running Continuously; Check Pump Float or Broken Pipe
Purple/Blue Alternating	HIGH AMP ALARM	Alarm - Pump is Drawing High Amps; Check Pump and Pump Blockages
Purple Flashing	PUMP FAILURE	Alarm - Pump is NOT Drawing Amps; Check Pump Float and Pump, Press Menu to Clear Fault
Purple/Red Alternating	PUMP FAILURE/HIGH LVL ALARM	Pump is NOT Drawing Amps/Tank if Full; Check Pump Float and Pump, Press Menu to Clear Fault
Red Flashing	HIGH LVL ALARM	Tank is at High Level; Check Pump Float and Pump
Amber Flashing	FILTER ALARM	Filter needs Cleaning; Check Effluent Filter
White/Cyan Alternating	FLOAT FAILURE	Pump Control Float is NOT Activated, High Level Float is Activated; Check Float Switches
Red Flashing	SYSTEM FAILURE	Extended Pump Run Event is Active for 20 Minutes or Length of Time Setting (whichever is greater)
White/Cyan Alternating	UI ERROR (event not displayed)	Faceplate or OLED Screen Not Connected to Circuit Board; Check Ribbon for Proper Connection

ORDERING INFORMATION

PPCP1315A2
1   2 3 4   5   6

Customized System Part Number:

MODEL # BOX 1	MODEL # BOX 2	MODEL # BOX 3	MODEL # BOX 4	MODEL # BOX 5	MODEL # BOX 6
PPCP					

NUMBER	CATEGORY	TYPE / EXAMPLE		
1	Base Model	PPCP = Power Post™ Control Panel, Timed or Demand Dose, Outdoor Alarm		
2	Pump Voltage	1 = 120VAC Pump 2 = 240VAC Pump		
3	Alarm Options	X = No Alarm Option 1 = 15' Alarm Float 2 = 20' Alarm Float 3 = 15' Alarm Float and 15' Filter Switch 4 = 20' Alarm Float and 20' Filter Switch		
4	Pump Control Float Options *Timer Enable or Pump On/Off* (operates pump)	X = No Pump Control Float Option 1 = 15' Wide Angle Control Float 2 = 20' Wide Angle Control Float 3 = 15' Medium Angle Control Float 4 = 20' Medium Angle Control Float		
5	In-Line Pump Switch Options *Pump On/Off or Redundant Off* (piggyback plug models) Only choose one (1) option X, 13A switch, or 15A switch	X = No Pump Switch Option 5C = 13 Amp, 15' Wide Angle Pump Switch 6C = 13 Amp, 20' Wide Angle Pump Switch 7C = 13 Amp, 15' Medium Angle Pump Switch 8C = 13 Amp, 20' Medium Angle Pump Switch		X = No Pump Switch Option 5A = 15 Amp, 15' Wide Angle Pump Switch 6A = 15 Amp, 20' Wide Angle Pump Switch 7A = 15 Amp, 15' Medium Angle Pump Switch 8A = 15 Amp, 20' Medium Angle 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		X1 = No Riser Kit with Access Panel 11 = 2.0" Riser Connection Kit with Access Panel 21 = 2.5" Riser Connection Kit with Access Panel