

Mini Power Post™ Monitoring System



Leading Edge Control Products

Pump Connection Center | Demand Dose

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

TECHNICAL DATA SHEET

DESCRIPTION OF OPERATION



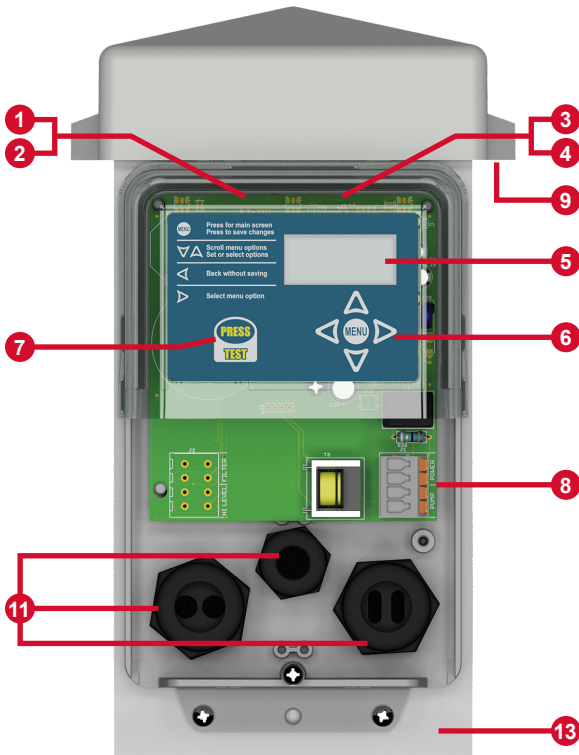
Alderon Industries™ | Patent Pending

Use the Mini Power Post™ Monitoring System to make a professional and safe connection for power and float switch wiring connections to your on-site septic system. The Mini 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 demand dose applications, including but not limited to: septic tanks, holding tanks, pump chambers, and water tanks. Available models include 120VAC and 240VAC.

The Mini Power Post™ Monitoring System serves as a junction box equipped with LED indicators (various colors) which is connected to a remote alarm panel. The top of the enclosure cover 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, alarm conditions, and more.

The system can be equipped with a Power Post™ alarm panel to connect a high level alarm float switch, and/or filter switch for remote notification of high level and filter service alarm conditions. A customer supplied sensor wire is used to make connections between the terminals on the remote alarm panel and the Mini Power Post™ enclosure.

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 Pushbutton** - Quick access to lifetime pump run event counter statistic, test alarm LEDs, or exit the menu system.

(8) **Quick Snap Terminal Block** - A four-position terminal block for system and pump power, tied in series and pre-installed at the factory.

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

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

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

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

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

SPECIFICATIONS

Mini Power Post™ - Pump Connection Center | Demand Dose



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

Alarm Power
120VAC or 240VAC, 60 Hz
(tied in series to pump power)

Enclosure
Type 3R, Outdoor

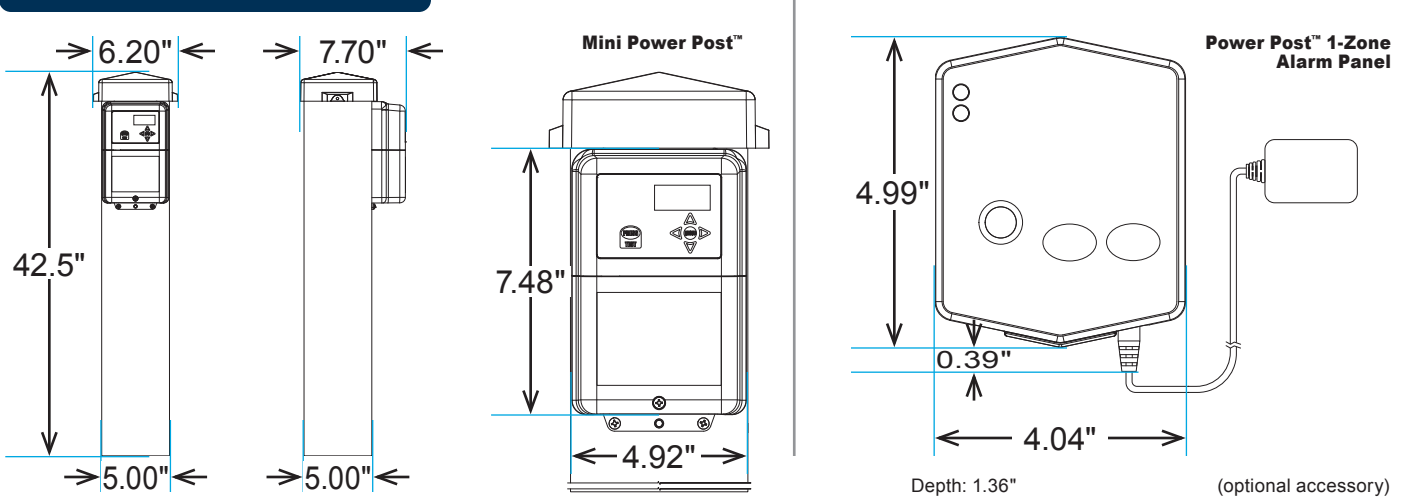
Pump Power
120VAC or 240VAC, 13A or 15A, 60 Hz
(voltage/amps depends on model/part number)

Power Consumption
14 Watts maximum (alarm condition)

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

Three-Year Limited Warranty

MECHANICAL DRAWING



Mini Power Post™ Monitoring System | 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	Pump is Running Normal
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
White/Cyan Alternating	UI ERROR (event not displayed)	Faceplate or OLED Screen not connected to Circuit Board; Check Ribbon for Proper Connection

ORDERING INFORMATION

MPMS185B1

1 2 3 4 5

Customized System Part Number:

MODEL # BOX 1	MODEL # BOX 2	MODEL # BOX 3	MODEL # BOX 4	MODEL # BOX 5
MPMS				

NUMBER	CATEGORY	TYPE / EXAMPLE
1	Base Model	MPMS = Mini Power Post™ Monitoring System, Demand Dose
2	Pump Voltage	1 = 120VAC Pump 2 = 240VAC Pump
3	Alarm Options	X = No Alarm Option 5 = 1-Zone Indoor Alarm and 15' Alarm Float 6 = 1-Zone Indoor Alarm and 20' Alarm Float 7 = 1-Zone Indoor Alarm, 15' Alarm Float, and 15' Filter Switch 8 = 1-Zone Indoor Alarm, 20' Alarm Float, and 20' Filter Switch 9 = 2-Zone Indoor Alarm, 15' Alarm Float, and 15' Filter Switch 9A = 2-Zone Indoor Alarm, 20' Alarm Float, and 20' Filter Switch
4	Pump Switch Options (piggyback plug models) <i>Only choose one (1) option X, 13A switch, or 15A switch</i>	X = No Pump Switch Option 1C = 13 Amp, 15' Medium Angle Pump Switch 2C = 13 Amp, 15' Wide Angle Pump Switch 4C = 13 Amp, 20' Medium Angle Pump Switch 5C = 13 Amp, 20' Wide Angle Pump Switch X = No Pump Switch Option 1B = 15 Amp, 15' Medium Angle Pump Switch 2B = 15 Amp, 15' Wide Angle Pump Switch 3B = 15 Amp, 15' DoubleMax™ 2-Float Pump Switch 4B = 15 Amp, 20' Medium Angle Pump Switch 5B = 15 Amp, 20' Wide Angle Pump Switch 6B = 15 Amp, 20' DoubleMax™ 2-Float Pump Switch
5	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