WaterPro™ Control Panel

Single Phase | 120/230VAC, 20A, Type 4X (Outdoor)

WATER PROTECTION, EXPANDABLE SERIES

ALDERON™ Industries

Leading Edge Control Products

TECHNICAL DATA SHEET

DESCRIPTION OF OPERATION

The WaterPro™ Single Phase Control Panel can be expanded into a complete water protection control system which provides multiple options for flood prevention strategies. The control panel is rated at 120/230VAC, 0-20 Amps, and includes two relays. Optional components for expanded monitoring include: well pump or water heater shutoff contactors, indoor alarm panels, sensors, floats, motorized ball valves, auto dialer, and strobe beacon. Multiple sensors (signaling device) can be connected to each zone of the control panel for expanded monitoring (parallel wiring and junction box may be required).
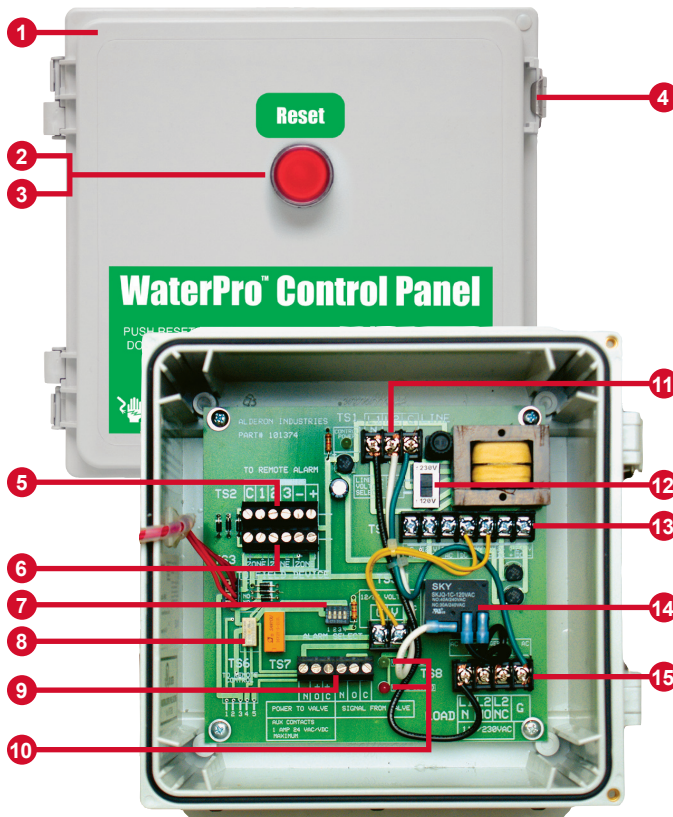
The first relay is for low voltage valve control and can be used with motorized valves as well as solenoid valves. A voltage terminal strip containing AC and DC volts in both 12 and 24 volt for field connecting any low voltage valve. Valve status LEDs for "open" and "closed" are located on the circuit board for low voltage valve position indication.

The second relay is a 20 Amp power relay and can switch high voltage valves (120VAC or 230VAC) or interrupt power to a well pump or electric water heater.

The control panel can monitor three independent zones. A "DIP" switch allows for field selectable activation for each zone of the low and high voltage relays depending on the type of sensors used with the system. For example, if a high level sump sensor is on zone-1, place the zone-1 "DIP" to off so the sensor will only activate the remote alarm. Conversely, if a WaterPro™ WaterSpotter™ flood sensor is connected to zone-1, place the zone-1 "DIP" to on so the sensor will activate both the low and high voltage relays AND the remote alarm panel.

(optional accessories shown)

The water supply is stopped upon water detection/alarm. A power loss or water evaporation at the sensor will not restore operation. After water is no longer detected at any sensor, press the "Reset" pushbutton on the front of the control panel to manually reset the system.

STANDARD FEATURES

(1) Thermoplastic Enclosure, Rated Type 4X

(2) Red LED Alarm Indicator

(3) Alarm Reset Pushbutton (manual reset required)

(4) Lockable Latches (secure from unwanted entry)

(5) Remote Alarm, Terminal Block Connections

(6) Sensor, Terminal Block Connections

(7) Dual In-Line Package (DIP) Switches

(8) Low Voltage Relay

(9) Low Voltage Valve Connections, Rated at 12/24VAC and 12/24VDC

(10) Valve Status LED Indicators (open or closed)

(11) Incoming Power Connections, 120VAC or 230VAC

(12) Voltage Selector Switch

(13) Low Voltage Terminal Block, Field Selectable to 12/24VAC or 12/24VDC

(14) High Voltage Relay, Rated at 20 Amps

(15) High Voltage Connections, Normally Open and Normally Closed for Valve or Power Interrupt (well pump or water heater)

(16) Mounting Feet on Enclosure (not shown)

WaterPro™ Control Panel, Panel Only

Primary Power
120VAC or 230VAC, 60 Hz *(voltage selector switch)*

Phase
Single

Low Voltage Relay
12/24VAC or 12/24VDC
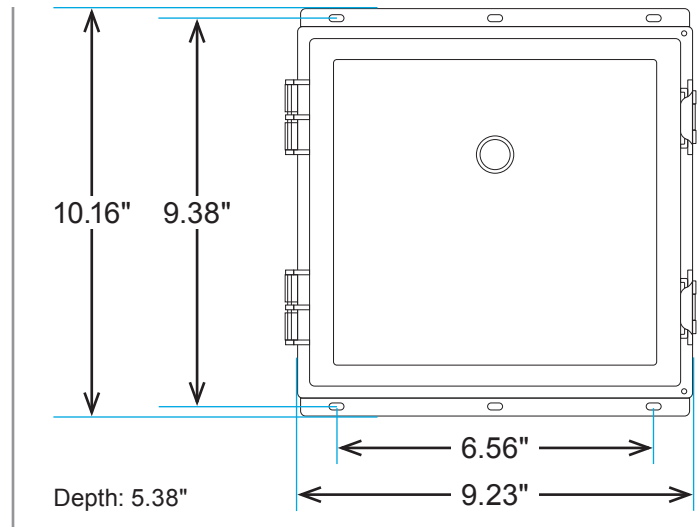10 Watts

High Voltage Relay
Single Pole, Double Throw
120VAC or 230VAC, 20 Amps

Enclosure
Hoffman Thermoplastic
8 x 8 x 4 *(inches)*
Type 4X, *Outdoor*
Lockable Latches

Three-Year Limited Warranty

10.16" 9.38"

6.56"

Depth: 5.38" 9.23"

ORDERING INFORMATION

For a complete list of standard products with pricing, refer to the current year price sheet or visit alderonind.com for more information.

PART NUMBER	DESCRIPTION
7925	WaterPro™ Single Phase Control Panel, 120/230VAC, 0-20 Amps, Type 4X (panel only)

WaterPro™ Water Protection System

4X CONTROL PANEL EXPANDABLE SERIES

Choose from the list of components below to customize a WaterPro™ System for your specific application.

Enter the Model Numbers from Box 1 through Box 7 on the right side of the expandable chart, this is your customized WaterPro™ Control Panel System Part Number. Please call Alderon Industries at 218.483.3034 for pricing and product questions.

	COMPONENT DESCRIPTION		OPTION CHOICES	SPECIAL INSTRUCTIONS	MODEL # BOX 1
BASE CONTROL PANEL	WaterPro™ Single Phase Control Panel, 120/230VAC, 0-20 Amps		WP	Base Model, Model Box 1.	WP

	COMPONENT DESCRIPTION		OPTION CHOICES	SPECIAL INSTRUCTIONS	MODEL # BOX 2
OPTIONAL CONTACTORS WELL PUMP / WATER HEATER SHUTOFF (SELECT ONLY ONE)	No Well Pump Contactor (0-20 Amps included)		X	**SELECT ONLY ONE** Optional Contactor from Well Pump **OR** Water Heater Shutoff depending on the amperage requirements, Model Box 2 and Model Box 3. If selecting "NONE", put an "X" in Model Box 2.	
	Well Pump Contactor, 20-25 Amps (Pump Load)		25		
	No Water Heater Shutoff Contactor (0-20 Amps included)		X		**MODEL # BOX 3**
	Water Heater Shutoff Contactor, 15-30 Amps (Resistive Load)		30		
	Water Heater Shutoff Contactor, 30-40 Amps (Resistive Load)		40		

	COMPONENT DESCRIPTION		OPTION CHOICES	SPECIAL INSTRUCTIONS	MODEL # BOX 4
ALARM SYSTEM WATERPRO™ ALARM PANELS (Select Only One)	No Alarm Panel		X	Select Alarm Panel Option and indicate selection in Model Box 4 to the right. If selecting "NONE", put an "X" in the model number box.	
	WaterPro™ 1-Zone - Flood Alarm		01		
	WaterPro™ 1-Zone - Alarm		02		
	WaterPro™ 2-Zone - High Sump/Flood Alarm		03		
	WaterPro™ 2-Zone - Alarm 1/Alarm 2 Alarm		04		
	WaterPro™ 3-Zone - Alarm 1/Alarm 2/Alarm 3 Alarm		05		

	COMPONENT DESCRIPTION	QTY	OPTION CHOICES	SPECIAL INSTRUCTIONS	MODEL # BOX 5
SENSORS AND FLOATS	No Sensors or Floats		X	Select quantity of each Sensor and Float Option, indicate selection(s) in Model Box(es) 5 to the right. If selecting "NONE", put an "X" in the model number box.	
	WaterPro™ WaterSpotter Flood Sensor, 15' Cable		A		
	WaterSpotter™ Probe Sump Sensor, 15' Cable		B		
	20' Control Switch, Normally Open, Pipe Clamp		C		
	20' Control Switch, Normally Open, Cable Weight		D		

	COMPONENT DESCRIPTION		OPTION CHOICES	SPECIAL INSTRUCTIONS	MODEL # BOX 6
WATERPRO™ MOTORIZED BALL VALVES	No WaterPro™ Motorized Ball Valve		X	Select Motorized Ball Valve Option and indicate selection in Model Box 6 to the right. If selecting "NONE", put an "X" in the model number box.	
	WaterPro™ 1/2" Motorized Ball Valve, 12VDC, Lead Free/NSF61		1		
	WaterPro™ 3/4" Motorized Ball Valve, 12VDC, Lead Free/NSF61		2		
	WaterPro™ 1" Motorized Ball Valve, 12VDC, Lead Free/NSF61		3		
	WaterPro™ 1¼" Motorized Ball Valve, 12VDC, Lead Free/NSF61		4		

	COMPONENT DESCRIPTION		OPTION CHOICES	SPECIAL INSTRUCTIONS	MODEL # BOX 7
REMOTE NOTIFICATION	No Remote Notification		X	Select Remote Notification Option and indicate selection in Model Box 7 to the right. If selecting "NONE", put an "X" in the model number box.	
	Auto Dialer, 2-Channel, Wall-Mounted Power Supply		A2		
	Strobe Beacon, 6-12VDC		RSB		