

MODEL 122 Control Panel

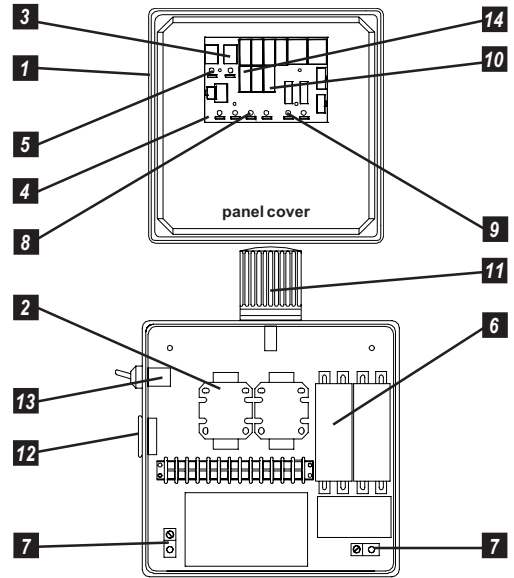
Single phase, duplex alternating pump control with override.

The Model 122 control panel is designed to alternately control two 120, 208, or 240 VAC single phase pumps in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail. If an alarm condition occurs, an alarm switch activates the audio/visual alarm system. Common applications include pump chambers, sump pump basins, irrigation systems and lift stations.

PANEL COMPONENTS

1. **Enclosure** measures 10 X 10 X 6 inches (25.4 X 25.4 X 15.24 cm). Choice of NEMA 1 (steel for indoor use), or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). **Note:** Options selected may increase enclosure size and change component layout.
2. **Magnetic Motor Contactors** control pumps by switching electrical lines.
3. **HOA Switches** for manual pump control (mounted on circuit board).
4. **Control Circuit Board** provides pump control and alternation.
5. **Green pump Run Indicator Lights** (mounted on circuit board).
6. **Circuit Breakers** (optional) provide pump disconnect and branch circuit protection.
7. **Ground Lugs**
8. **Float Status Indicator Lights** (mounted on circuit board).
9. **Control and Alarm Power Indicator Lights** (mounted on circuit board)
10. **Auxiliary Alarm Contact**, form C (mounted on circuit board).

NOTE: Schematic is located inside the panel on enclosure cover.



Model Shown 1221W114X6A

STANDARD ALARM PACKAGE

11. **Red Alarm Beacon** provides 360° visual check of alarm condition. **Note:** NEMA 1 style utilizes a door mounted indicator in lieu of a beacon.
12. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating). **Note:** NEMA 1 style utilizes an internally mounted buzzer in lieu of horn.
13. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
14. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' Sensor Float® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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PRICING/ORDERING INFORMATION

Model Number	VAC	FLA	Circuit Breaker	NEMA Rating	List Price	Shipping Weight
1221W900H6A	120V	0-7	No	4X	\$750.75	20 lbs.
1221W910H6A	120V	7-15	No	4X	\$750.75	20 lbs.
1221W920H6A	120V	15-20	No	4X	\$750.75	20 lbs.
1221W904H6A	120V	0-7	Yes	4X	\$820.75	20 lbs.
1221W914H6A	120V	7-15	Yes	4X	\$820.75	20 lbs.
1221W924H6A	120V	15-20	Yes	4X	\$820.75	20 lbs.
1221W100H6A	120/208/240V	0-7	No	4X	\$750.75	20 lbs.
1221W110H6A	120/208/240V	7-15	No	4X	\$750.75	20 lbs.
1221W120H6A	120/208/240V	15-20	No	4X	\$750.75	20 lbs.
1221W104H6A	120/208/240V	0-7	Yes	4X	\$890.75	20 lbs.
1221W114H6A	120/208/240V	7-15	Yes	4X	\$890.75	20 lbs.
1221W124H6A	120/208/240V	15-20	Yes	4X	\$890.75	20 lbs.
1221I900H6A	120V	0-7	No	1	\$675.75	25 lbs.
1221I910H6A	120V	7-15	No	1	\$675.75	25 lbs.
1221I920H6A	120V	15-20	No	1	\$675.75	25 lbs.
1221I904H6A	120V	0-7	Yes	1	\$745.75	25 lbs.
1221I914H6A	120V	7-15	Yes	1	\$745.75	25 lbs.
1221I924H6A	120V	15-20	Yes	1	\$745.75	25 lbs.
1221I100H6A	120/208/240V	0-7	No	1	\$675.75	25 lbs.
1221I110H6A	120/208/240V	7-15	No	1	\$675.75	25 lbs.
1221I120H6A	120/208/240V	15-20	No	1	\$675.75	25 lbs.
1221I104H6A	120/208/240V	0-7	Yes	1	\$815.75	25 lbs.
1221I114H6A	120/208/240V	7-15	Yes	1	\$815.75	25 lbs.
1221I124H6A	120/208/240V	15-20	Yes	1	\$815.75	25 lbs.

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

122								6A	
MODEL 122								\$750.75	
ALARM PACKAGE									
<input type="checkbox"/>	0 = select options or no alarm package						-\$ 35.00		
<input type="checkbox"/>	1 = alarm package (includes test/normal/silence switch, fuse, red light, & horn)						Base		
ENCLOSURE RATING									
<input type="checkbox"/>	I = Indoor, NEMA 1 (metal)						-\$ 75.00		
<input type="checkbox"/>	W = Weatherproof, NEMA 4X (engineered thermoplastic)						Base		
STARTING DEVICE									
<input type="checkbox"/>	1 = magnetic motor contactor 120/208/240V						Base		
<input type="checkbox"/>	9 = magnetic motor contactor 120V only						Base		
PUMP FULL LOAD AMPS									
<input type="checkbox"/>	0 = 0-7 FLA						Base		
<input type="checkbox"/>	1 = 7-15 FLA						Base		
<input type="checkbox"/>	2 = 15-20 FLA						Base		
<input type="checkbox"/>	3 = 20-30 FLA						\$ 10.00		
PUMP DISCONNECTS									
<input type="checkbox"/>	0 = no pump disconnect						Base		
<input type="checkbox"/>	4 = circuit breaker 120V (select STARTING DEVICE option 9 above)						\$ 70.00		
	120/208/240V (select STARTING DEVICE option 1 above)						\$140.00		
FLOAT SWITCH APPLICATION									
<input type="checkbox"/>	H or L = pump down or pump up						Base		
<input type="checkbox"/>	X = no floats						-\$ 75.00		

OPTIONS *Listed below*

ENCLOSURE UPSIZE

If you selected one or more of the ★ options, or two ★★ options, ➔
 add a one-time \$65.00 for NEMA 4X, \$100 for NEMA 1 list enclosure upsize

Total Options _____
 Enclosure Upsize _____
TOTAL LIST PRICE _____

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/>	1A Red beacon only / no audio	\$20.00	<input type="checkbox"/>	★ 10F Lightning arrester	\$160.00
	<i>(must select "0" for alarm package)</i>			<i>(must select circuit breaker)</i>	
<input type="checkbox"/>	1C Horn only / no visual	\$20.00	<input type="checkbox"/>	★★ 10K Anti-condensation heater	\$100.00
	<i>(must select "0" for alarm package)</i>		<input type="checkbox"/>	11C NEMA 1 alarm panel	\$65.00
<input type="checkbox"/>	★★ 3A Alarm flasher	\$35.00	<input type="checkbox"/>	11D NEMA 4X alarm panel	\$170.00
<input type="checkbox"/>	★ 3B Manual alarm reset	\$135.00	<input type="checkbox"/>	★ 14B Main disconnect (rotary style, mounted through door, non-fused)	
<input type="checkbox"/>	★ 4A Low level cutout	\$40.00		<i>(must select circuit breaker)</i>	
	<i>(select Option 4D if floats included)</i>		<input type="checkbox"/>	0-20 FLA (total of both pumps)	\$320.00
<input type="checkbox"/>	4B Red low-level indicator & alarm	\$60.00	<input type="checkbox"/>	20-60 FLA (total of both pumps)	\$360.00
	<i>(must select Option 4A also)</i>		<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	- \$2.00
<input type="checkbox"/>	4D Redundant off float switch	\$25.00	<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	- \$1.00
<input type="checkbox"/>	★ 5A Thermal cutout/heat sensor auto reset	\$80.00	<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$5.00
	<i>(for pumps w/thermal switch leads)</i>		<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/>	★ 5E Seal failure circuit & red indicator (2 wire)	\$395.00	<input type="checkbox"/>	17A SJE SignalMaster® / pipe clamp ● (per float)	- \$2.00
<input checked="" type="checkbox"/>	6A Auxiliary alarm contact, form C	\$0.00	<input type="checkbox"/>	17B SJE SignalMaster® / externally weighted ● (per float)	\$5.00
	<i>(included as standard)</i>		<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input type="checkbox"/>	★ 8A Elapsed time meter	\$110.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/>	★ 8C Event (cycle) counter	\$90.00	<input type="checkbox"/>	17E Sensor Float® Mini / pipe clamp ▲ (per float)	- \$2.00
<input type="checkbox"/>	★ 9_A Pump overload		<input type="checkbox"/>	17F Sensor Float® Mini / externally weighted ▲ (per float)	\$5.00
	specify amperage after number 9 followed by letter "A".		<input type="checkbox"/>	19B Lead lag selector switch	\$15.00
	Example: 912A = 12 amp pump.		<input type="checkbox"/>	19F Fourth float to separate alarm function from lag	\$25.00
<input type="checkbox"/>	★ 0-25 FLA	\$370.00	<input type="checkbox"/>	19T TOA (Test/Off/Automatic) switches and pump run lights	
<input type="checkbox"/>	★ 25-30 FLA	\$500.00		through door mounted	\$160.00
<input type="checkbox"/>	10E Lockable latch - NEMA 4X	\$30.00	<input type="checkbox"/>	19U HOA (Hand/Off/Automatic) switches and pump run lights	
<input type="checkbox"/>	10E Lockable latch - NEMA 1	\$30.00		through door mounted	\$150.00
			<input type="checkbox"/>	19X Door mounted pump run indicator	\$40.00

● Mechanically-activated ▲ Mercury-activated

SAMPLE

<p>MODEL 122 1 W 9 0 4 H 6A 8AC</p> <p>Alarm Package _____</p> <p>Enclosure Rating _____</p> <p>Starting Device _____</p> <p>Pump Full Load Amps _____</p> <p>Pump Disconnect _____</p> <p>Float Switch Application _____</p> <p>Options: Auxiliary alarm contact, form C, _____ Elapsed time meter, event (cycle) counter, _____</p>	<table style="width: 100%;"> <tr> <td style="text-align: right;">LIST PRICE</td> <td>122</td> <td>\$750.75</td> </tr> <tr> <td></td> <td>1</td> <td>Base</td> </tr> <tr> <td></td> <td>W</td> <td>Base</td> </tr> <tr> <td></td> <td>9</td> <td>Base</td> </tr> <tr> <td></td> <td>0</td> <td>Base</td> </tr> <tr> <td></td> <td>4</td> <td>\$70.00</td> </tr> <tr> <td></td> <td>H</td> <td>Base</td> </tr> <tr> <td></td> <td>6A</td> <td>\$0.00</td> </tr> <tr> <td></td> <td>8A</td> <td>\$110.00</td> </tr> <tr> <td></td> <td>8C</td> <td>\$90.00</td> </tr> <tr> <td></td> <td>Enclosure upsize</td> <td>\$65.00</td> </tr> <tr> <td style="text-align: right;">TOTAL LIST PRICE</td> <td></td> <td>\$1085.75</td> </tr> </table>	LIST PRICE	122	\$750.75		1	Base		W	Base		9	Base		0	Base		4	\$70.00		H	Base		6A	\$0.00		8A	\$110.00		8C	\$90.00		Enclosure upsize	\$65.00	TOTAL LIST PRICE		\$1085.75
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