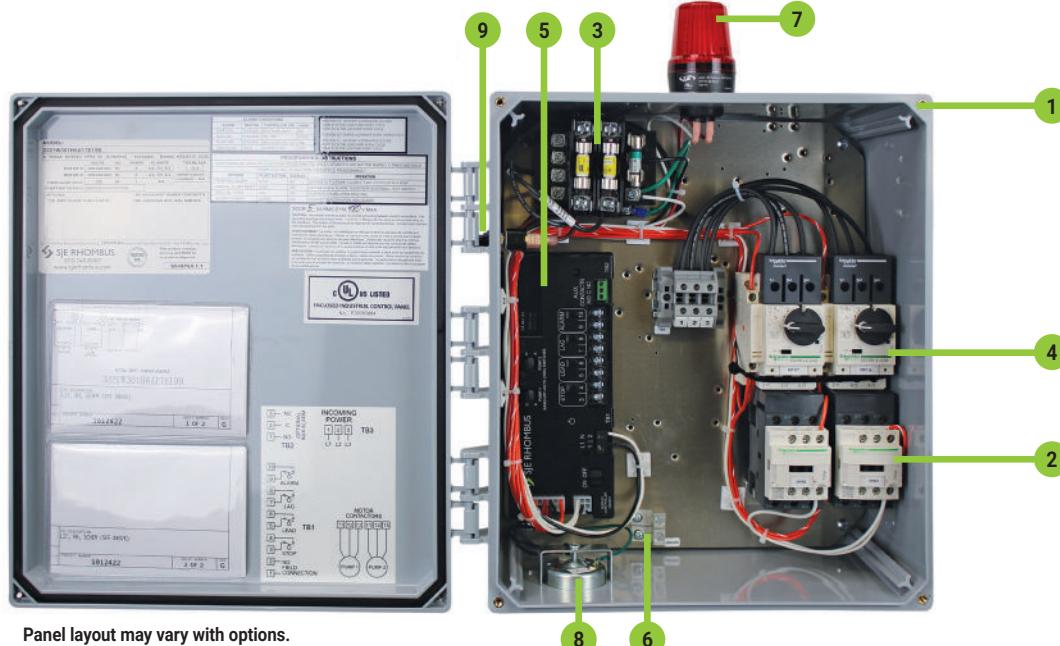


# MODEL 322 CONTROL PANEL

Three Phase, Duplex Alternating Pump Control with Override



Panel layout may vary with options.



The newly redesigned Model 322 control panel controls two 208/240/480V three phase pumps in water and sewage installations. This panel includes a new innovative duplex controller for pump control, alternation and alarm; including float status LEDs, control/alarm power on/off switch with LED indicator, pump run LEDs, HOA switches, pump lead lag selector switch, auxiliary contacts and more!

The Model 322 control panel features built in lag pump delay time, pump failure detection, and float out of sequence. In addition, there are four user selectable field programmable operations: alarm steady state or flashing; alarm auto reset or manual reset; pump failure notification; and optional seal failure alarm beacon notification or beacon plus horn activation. This panel is available with optional EZconnex® float connection system.

Other features include:

- Touch safe circuit board housing and low voltage 12 VDC float circuits
- Alarm (field programmable to flash)
- Alarm automatic reset (field programmable to manual alarm reset)
- Float out-of-sequence detection
- Pump fail-to-run detection (field programmable to deactivate)
- Controller protected by four auto resettable fuses (control, alarm, pump 1, and pump 2), no fuse replacement
- Three second lag pump delay time, prevents simultaneous pump start-up

Three Phase

 **SJE RHOMBUS®**

**Note:** Options may increase enclosure size and/or change enclosure features/component layout.

**Note:** Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.

322	ALARM PACKAGE	W	PUMP FULL LOAD AMPS	LEVEL CONTROL APPLICATION	6A10E19B
CONTROL PANEL	✓ 322	Three Phase Duplex (includes Options 6A and 19B as standard)			OPTIONS (LISTED BELOW)
ALARM PACKAGE	0	Select Options or No Alarm Package			
	1	Alarm Package (includes test/normal/silence switch, red light, & horn)			
ENCLOSURE RATING	✓ W	Weatherproof, NEMA 4X (engineered thermoplastic)			
PUMP FULL LOAD AMPS	208/240/480V		600V		
	001	1.0 - 1.6 FLA	005	1.0 - 1.6 FLA	
	101	1.6 - 2.5 FLA	105	1.6 - 2.5 FLA	
	201	2.5 - 4.0 FLA	205	2.5 - 4.0 FLA	
	301	4.0 - 6.3 FLA	305	4.0 - 6.3 FLA	
	401	6.0 - 10.0 FLA	405	6.0 - 10.0 FLA	
	511	9.0 - 14.0 FLA	515	9.0 - 14.0 FLA	
	611	13.0 - 18.0 FLA	615	13.0 - 18.0 FLA	
	621	17.0 - 23.0 FLA	625	17.0 - 23.0 FLA	
701	20.0 - 25.0 FLA	705	20.0 - 25.0 FLA		
LEVEL CONTROL APPLICATION	H	Floats - Pump Down (select Option 17 below - ships with 3 floats by default)			
	L	Floats - Pump Up (select Option 17 below - ships with 3 floats by default)			
	E	EZconnex® Float Switch System			
	X	No Floats			

PRICING WORKSHEET
Model 322 Base Price _____
Alarm Package _____
Enclosure Rating _____
Pump Full Load Amps _____
Level Control Application _____
Total Options _____
Enclosure Upsize _____
<b>TOTAL LIST PRICE</b> _____

OPTIONS		DESCRIPTION
	4A	Redundant Off (must also select Option 4D if floats are required)
	4B	Red Redundant Off Indicator & Alarm (must also select Option 4A)
	4D	Redundant Off Float (must also select Option 4A and Option 17)
	5A	Thermal Cutout/Heat Sensor Auto Reset (for pumps with thermal switch leads)
	5E	Seal Failure Circuit & Red Indicator (2 wire)
✓	6A	<b>Auxiliary Alarm Contact, Form C (included as standard)</b>
	8A	Elapsed Time Meter
	8C	Event (Cycle) Counter
	10A	Clear Inner Swing-Out Door with Dead Front (lights and switches mounted on inner door) <b>PANELS ORDERED WITH THIS OPTION CANNOT BE RETURNED</b>
✓	10E	<b>Lockable Latch - NEMA 4X (included as standard, must select Enclosure Rating W above)</b>
	10G	Lightning Arrestor
	10K	Anti-condensation Heater
	14B	Main Disconnect (rotary style, mounted through door, non-fused, padlockable in the OFF position, door interlock in the ON-position)
		0-20 FLA (total of both pumps)
		20-50 FLA (total of both pumps)

OPTIONS		DESCRIPTION
	16C	30' Cord in Lieu of 20' Cord (per float)
	16D	40' Cord in Lieu of 20' Cord (per float)
	17C	Sensor Float® / Internally Weighted (3 Floats) - Mercury
	17D	Sensor Float® / Externally Weighted (3 Floats) - Mercury
	17E	Sensor Float® Mini / Pipe Clamp (3 Floats) - Mercury
	17F	Sensor Float® Mini / Externally Weighted (3 Floats) - Mercury
	17G	SJE MilliAmpMaster™ / Pipe Clamp (3 Floats) - Mechanical
	17H	SJE MilliAmpMaster™ / Externally Weighted (3 Floats) - Mechanical
	17J	Sensor Float® / Pipe Clamp (3 Floats) - Mercury
✓	19B	<b>Lead Lag Selector Switch (included as standard)</b>
	19F	Fourth Float to Separate Alarm Function from Lag
	19T	TOA (Test/Off/Automatic) Switches and Pump Run Lights Through Door Mounted
	19U	HOA (Hand/Off/Automatic) Switches and Pump Run Lights Through Door Mounted
	19X	Door Mounted Pump Run Indicator
	33D	EZconnex® 3-Port, 25', with 10' Floats (3) / Pipe Clamp
	35D	EZconnex® 4-Port, 25', with 10' Floats (4) / Pipe Clamp

For additional control panel options, please contact Technical Support at  
techsupport@sjeinc.com.