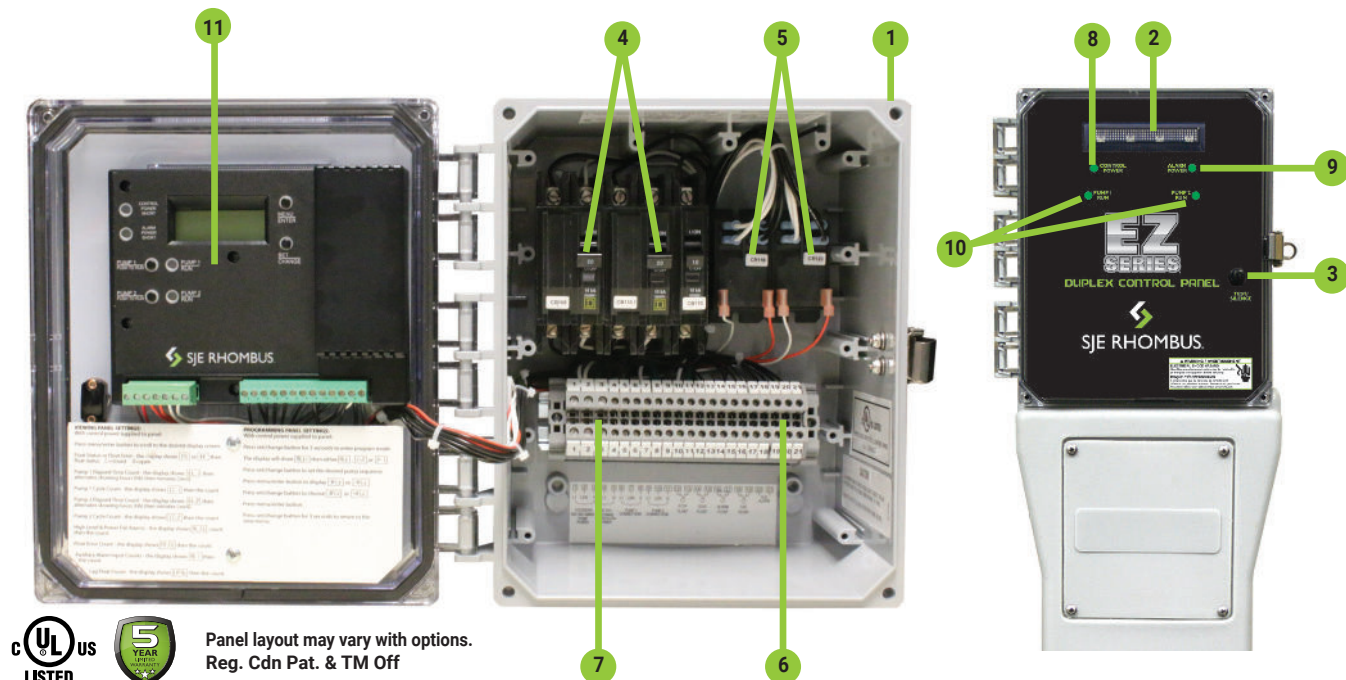# EZ SERIES® SINGLE PHASE DUPLEX
Single Phase, Duplex Demand Dose Float Controlled System for Pump Control and System Monitoring

Panel layout may vary with options.
Reg. Cdn Pat. & TM Off

The EZ Series® duplex control panel is designed to control two (alternating) 120, 208, 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.

The EZ Series® duplex control panel features a backlit LCD display on the inside of the front cover for programming and system monitoring, including: float status, elapsed time pump run, cycle counter, alarm counts (high water/power fail), float error count, auxiliary alarm counter, timer override count (TD only).

Optional mounting post has removable access door for easy wiring. The post can be mounted in the ground directly, over a 4x4, or conduit. This panel is available with optional duo alarm for local code compliance; and optional EZconnex® float connection system.

COMPONENTS

1. Enclosure base measures 10 x 8 x 6 inches (25.4 x 20.32 x 15.24 cm); NEMA 4X enclosure (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use) includes locking latch as standard
2. Red alarm beacon provides visual check of alarm condition
3. Exterior Alarm Test/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
4. Two sets of circuit breakers: one for each pump power circuit; another for control and alarm power
5. Power relays control pumps by switching electrical lines
6. Float connection terminal block with auxiliary alarm contact
7. Incoming control/alarm power & pump power terminal block
8. Control Power indicator light
9. Alarm Power indicator light
10. Pump Run indicator lights
11. Duplex controller (touch safe housing) for pump control:
    a. Backlit LCD display shows system information including: pump elapsed time (hh:mm), pump events (cycles), and alarm condition (counts)
    b. Menu/Enter button used for viewing panel settings
    c. Set/Change button used for programming panel settings
    d. Pump 1 and Pump 2 Push To Run momentary switches - pump activates when pressed
    e. Control and Alarm Power - shorted condition indicators
12. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating - located inside panel on cover, not shown)

Note: Options, voltage, and amp range selected may change enclosure size and component layout.

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

EZ Series® - Single phase, duplex demand dose float controlled system for pump control and system monitoring.

EZS	4	1	W	1		4		3A6A8AC10E15A
CONTROL PANEL	MODEL TYPE	ALARM PACKAGE	ENCLOSURE RATING	STARTING DEVICE	PUMP FULL LOAD AMPS	PUMP DISCONNECTS	LEVEL CONTROL APPLICATION	OPTIONS (LISTED BELOW)

CONTROL PANEL	✓	EZS		
MODEL TYPE	✓	4	Single Phase Duplex (includes Options 3A6A8AC10E15A as standard)	
ALARM PACKAGE	✓	1	Alarm Package (includes test/silence switch, fuse, red light, & horn)	
ENCLOSURE RATING	✓	W	Weatherproof, NEMA 4X (engineered thermoplastic)	
STARTING DEVICE	✓	1	120/208/240V	
PUMP FULL LOAD AMPS		0	0 - 7 FLA	
		1	7 - 15 FLA	
		2	15 - 20 FLA	
PUMP DISCONNECTS	✓	4	Circuit Breaker(s) 120/208/240V	
LEVEL CONTROL APPLICATION		H	Floats - Pump Down (select Option 17 below)	
		E	EZconnex® Float Switch System	
		X	No Floats	

PRICING WORKSHEET

EZS Duplex Base Price _____

Alarm Package _____

Enclosure Rating _____

Starting Device _____

Pump Full Load Amps _____

Pump Disconnects _____

Level Control Application _____

Total Options _____

TOTAL LIST PRICE _____

	OPTIONS	DESCRIPTION
	1J	Duo Alarm Inputs
✓	**3A**	**Alarm Flasher (Included as standard)**
✓	**6A**	**Auxiliary Alarm Contact, Form A (Included as standard)**
✓	**8AC**	**Display Board - Includes: ETM Counter, Events (Cycles) Counter, Alarm Counter (included as standard)**
✓	**10E**	**Lockable Latch - NEMA 4X (included as standard)**
	10P	Mounting Post (Factory installed with 2.5" cord seal)
✓	**15A**	**Control/Alarm Circuit Breaker (Included as standard)**
	16C	30' Cord in Lieu of 20' Cord (per Float)
	16D	40' Cord in Lieu of 20' Cord (per Float)

OPTIONS	DESCRIPTION
17C	Sensor Float® / Internally Weighted (3 Floats) - Mercury
17D	Sensor Float® / 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
19F	Fourth Float to Separate Alarm Function from Lag
33D	EZconnex® 3-Port, 25', with 10' Floats (3) / Pipe Clamp
35D	EZconnex® 4-Port, 25', with 10' Floats (4) / Pipe Clamp

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

www.sjerhombus.com • email: customer.service@sjeinc.com **SEE PRICE BOOK FOR PRICING.**

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