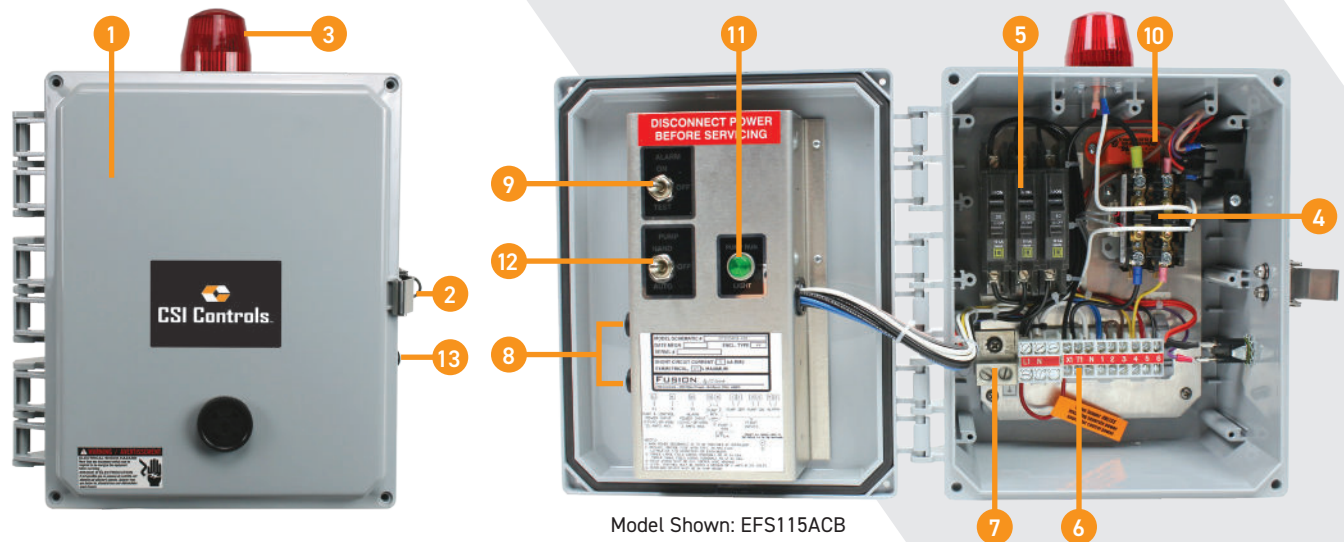


Fusion™ Economy Control Panel

Single Phase, Simplex Demand Float Control System for Pumping Applications



The Fusion™ Economy Single Phase Simplex control panels utilize a traditional relay logic component-style design. Applications include sump and sewage basins, septic tanks, aeration systems, cisterns, atmospheric storage tanks, chemical solution tanks and more.

FEATURES

- NEMA 4X engineered thermoplastic enclosure with lockable latch
- Flashing red 360° alarm beacon with horn and test/silence switch.
- Pump Hand-Off-Auto switch to manually activate pump, set in automatic float level control, or disable the pump operation
- Pump Run light to provide visual notification when the pump is called to run
- Includes easy access fuses



OPTIONS

- Heavy duty increases the circuit breakers and wire gauge HD1 12-18FLA, HD2 18-24FLA
- Heat sensor terminals
- Auxiliary alarm contacts
- Floats various configurations

COMPONENTS

1. NEMA 4X enclosure rated for indoor or outdoor use
2. Lockable latch for added safety
3. 360° red alarm beacon for visual alert
4. Magnetic motor contactor controls the pump motor load by switching the electrical lines
5. Circuit breakers provide pump and control/alarm disconnect and branch circuit protection
6. Terminal strip easy field wiring of incoming power, floats, and pump
7. Ground lugs
8. Control circuit and alarm circuit fuses easy access touch safe fuse replacement
9. Alarm Arm-Off-Test switch provides method to test alarm circuit or disable the alarm
10. Alarm Flasher provides alarm flashing circuitry
11. Green Pump Run light provides indication when pump is called to run
12. Pump Hand-Off-Auto switch provides manual pump control
13. External alarm silence button to silence the audible alarm



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FUSION™ ECONOMY CONTROL PANEL

Model	Max FLA	Enclosure Type	Input Power VAC - PH	Circuit Breakers
EFS115	12	NEMA 4X	115-1	None
EFS115CB	12	NEMA 4X	115-1	Motor & Control
EFS115ACB	12	NEMA 4X	115-1	Motor, Control & Alarm
EFS230	12	NEMA 4X	230-1	None
EFS230CB	12	NEMA 4X	230-1	Motor & Control
EFS230ACB	12	NEMA 4X	230-1	Motor, Control & Alarm
Options	Description			
FC20	(3) 20 foot (6.1m) mechanical control switches / pipe clamp			
FC20CW	(3) 20 foot (6.1m) mechanical control switches / cable weight			
FR20	(3) 20 foot (6.1m) mercury control switches / pipe clamp			
FR20CW	(3) 20 foot (6.1m) mercury control switches / cable weight			
FC30	(3) 30 foot (9.1m) mechanical control switches / pipe clamp			
FC30CW	(3) 30 foot (9.1m) mechanical control switches / cable weight			
FR30	(3) 30 foot (9.1m) mercury control switches / pipe clamp			
FR30CW	(3) 30 foot (9.1m) mercury control switches / cable weight			
FC50	(3) 50 foot (15.2m) mechanical control switches / pipe clamp			
FC50CW	(3) 50 foot (15.2m) mechanical control switches / cable weight			
FR50	(3) 50 foot (15.2m) mercury control switches / pipe clamp			
FR50CW	(3) 50 foot (15.2m) mercury control switches / cable weight			
HD1	Heavy Duty 1: Increases breakers and wire gauge to allow 12-18 FLA			
HD2	Heavy Duty 2: Increases breakers and wire gauge to allow 18-24 FLA			
HS	Heat Sensor Terminals			
X	Auxiliary Alarm			

SEE PRICE BOOK FOR LIST PRICE.

SPECIFICATIONS

VOLTAGE SUPPLY: Pump: 115 VAC or 230 VAC 50/60 Hz 1∅
Control/Alarm: 115 VAC 60 Hz 1∅

ENCLOSURE: 10 x 8 x 6 inch (25.4 x 20.3 x 15.2 cm)
NEMA 4X ultraviolet stabilized thermoplastic rated for indoor/outdoor use with mounting feet

INNER DOOR: molded thermoplastic

LOCKING LATCH: stainless steel, padlockable

FLOAT CONTROL VOLTAGE: 115 VAC

MOTOR STARTER: magnetic motor contactor

PUMP AMPS: 0-12 Amps, 12-18 Amps, 18-24 Amps

ALARM HORN: 83-85 decibel rating

FLASHING RED LED ALARM LIGHT 360°



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