

INSTALLER FRIENDLY SERIES™ - IFS Single Phase Simplex Capacitor (Start/Run)

Single phase, simplex demand dose, float controlled system for pump control and system monitoring.

The IFS single phase simplex capacitor (start/run) control panel is designed to control one 120, 208, or 240 VAC single phase pump in water and sewage installations.

The IFS single phase simplex capacitor (start/run) control panel features a simple, easy-to-use touch pad on the inner door for programming and monitoring pump and float operation.

TOUCH PAD FEATURES

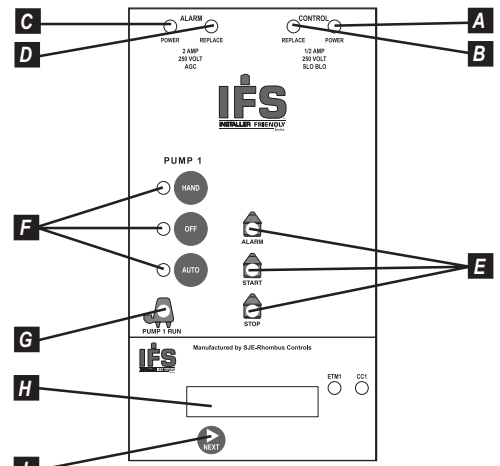
- A. **Control Power Indicator/Fuse.** Indicator light will illuminate if control power is present in panel.
- B. **Control Fuse Replace Indicator** will illuminate if control fuse is blown. Alarm will activate if control fuse is blown.
- C. **Alarm Power Indicator/Fuse.** Indicator light will illuminate if alarm power is present in panel.
- D. **Alarm Fuse Replace Indicator** will illuminate if alarm fuse is blown.
- E. **Float Indicators** will illuminate when floats are activated. Alarm will activate if a float operates out of sequence and the appropriate float indicator will flash.
- F. **HOA (Hand-Off-Automatic) Buttons** control pump mode with indication. Hand mode defaults to Automatic when stop level is reached.
- G. **Pump Run Indicator** will illuminate when pump is called to run.
- H. **Seven-Segment LED Display** shows mode, pump elapsed time (hh:mm), events (cycles), alarm counter and pump fail counter. (Display is optional.)
- I. **Next Push Button** when pressed toggles display through: mode, elapsed time meter, cycle counter, alarm counter, and pump fail counter.

Note: LED display will turn off after one minute of not being used.

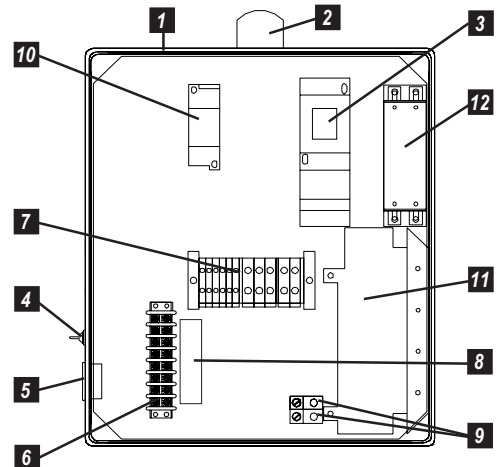
PANEL COMPONENTS

1. **Enclosure** measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Red Alarm Beacon** provides 360° visual check of alarm condition.
3. **IEC Motor Contactor** controls pump by switching electrical lines.
4. **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.
5. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
6. **Float Connection Terminal Block**
7. **Large Incoming Power Connection Terminal Block**
8. **Terminal Block Installation Label**
9. **Ground Lugs**
10. **Alarm Activation Relay**
11. **Capacitor Start Module** - start/run capacitor kits must be ordered separately.
12. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover



Model Shown IFS71W114X912A8AC (Inner door view)



Model Shown IFS71W114X912A8AC (Inside view)

Reg. Cdn Pat. & TM Off

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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	IFS7		W	1						
	MODEL IFS7								\$1000.00	
	ALARMPACKAGE									
<input type="checkbox"/>	1 = alarm package (includes test/normal/silence switch, fuse, red light, horn, & float)								Base	_____
	ENCLOSURERATING									
<input checked="" type="checkbox"/>	W = Weatherproof, NEMA 4X (engineered thermoplastic)								Base	_____
	STARTINGDEVICE									
<input checked="" type="checkbox"/>	1 = IEC motor contactor 120/208/240V								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								\$80.00	_____
<input type="checkbox"/>	3 = 20-30 FLA								\$90.00	_____
<input type="checkbox"/>	4 = 30-40 FLA								\$115.00	_____
	PUMP DISCONNECTS									
<input type="checkbox"/>	0 = no pump disconnect								Base	_____
<input type="checkbox"/>	4 = circuit breaker								\$ 70.00	_____
	FLOAT SWITCH APPLICATION									
<input type="checkbox"/>	H or L = pump down or pump up								Base	_____
<input type="checkbox"/>	X = no floats									
	WITH alarm package								- \$75.00	_____
	OPTIONS <i>Listed below</i>									
Start/run capacitor kits must be ordered separately (see option 12 below or call factory)								Total Options	_____	
								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"/>	3A Alarm flasher	\$50.00		<input type="checkbox"/>	11D NEMA 4X alarm panel <i>must select option 6A</i>	\$170.00
<input type="checkbox"/>	5A Thermal cutout	\$40.00		<input type="checkbox"/>	12B Customer supplied motor start components, mounted in enclosure by SJE-Rhombus	\$110.00
<input type="checkbox"/>	5E Seal fail circuit and indicator	\$160.00		<input type="checkbox"/>	12C Motor start component, mounted and supplied by SJE-Rhombus	Call Factory
<input type="checkbox"/>	6A Auxiliary alarm contact, form C type	\$40.00		<input type="checkbox"/>	16A 10' cord in lieu of 20' (<i>per float</i>)	-\$2.00
<input type="checkbox"/>	8AC Display board includes: ETM counter, events (cycles) counter, alarm counter.	\$100.00		<input type="checkbox"/>	16B 15' cord in lieu of 20' (<i>per float</i>)	-\$1.00
<input type="checkbox"/>	9_A Pump overload specify amperage after number 9 followed by letter "A". Example: 912A = 12 amp pump.			<input type="checkbox"/>	16C 30' cord in lieu of 20' (<i>per float</i>)	\$5.00
<input type="checkbox"/>	<input type="checkbox"/> 0-30 FLA	\$60.00		<input type="checkbox"/>	16D 40' cord in lieu of 20' (<i>per float</i>)	\$15.00
<input type="checkbox"/>	<input type="checkbox"/> 30-40 FLA	\$100.00		<input type="checkbox"/>	17C Sensor Float® / internally weighted (<i>per float</i>)	\$5.00
<input type="checkbox"/>	10E Lockable latch	\$40.00		<input type="checkbox"/>	17D Sensor Float® / externally weighted (<i>per float</i>)	\$7.00
<input type="checkbox"/>	10F Lightning arrester	\$160.00		<input type="checkbox"/>	17G SJE MilliAmpMaster™ / pipe clamp (<i>per float</i>)	\$0.00
<input type="checkbox"/>	10K Anti-condensation heater	\$100.00		<input type="checkbox"/>	17H SJE MilliAmpMaster™ / externally weighted (<i>per float</i>) ...	\$7.00
<input type="checkbox"/>	11C NEMA 1 alarm panel	\$65.00				
	<i>(must select option 6A)</i>					

	IFS7	1	W	1	1	4	H	912A 12B	
	MODEL IFS7								LIST PRICE IFS7
	Alarm Package								\$1000.00
	Enclosure Rating								1 Base
	Starting Device								W Base
	Pump Full Load Amps								1 Base
	Pump Disconnect								1 Base
	Float Switch Application								4 \$70.00
	Options: Pump Overload, Motor Start Components Supplied by Customer								H Base
									912A \$60.00
									12B \$110.00
									TOTAL LIST PRICE \$1240.00