

# 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

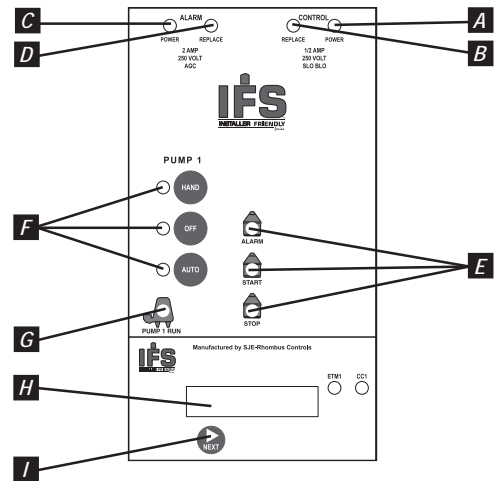
- A. **Control Power Indicator/Fuse.** Indicator light will illuminate if control power is present in panel.
- B. **Control Fuse Replace Indicator** will illuminate if control fuse is blown. Alarm will activate if control fuse is blown.
- C. **Alarm Power Indicator/Fuse.** Indicator light will illuminate 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.

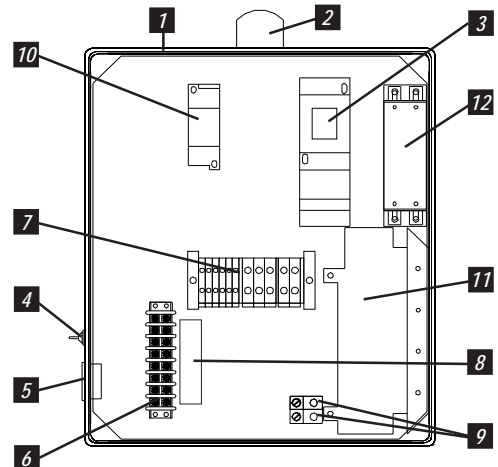
## PANEL COMPONENTS

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' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

