

INSTALLER FRIENDLY SERIES® - IFS Single Phase Duplex Capacitor (Start/Run)

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

The IFS single phase duplex capacitor (start/run) control panel is designed to alternately control two 120, 208, or 240 VAC single phase pumps in water and sewage installations.

The IFS single phase duplex 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. Pumps Run Indicators** will illuminate when pumps are called to run.
- H. Select Push Button** (with display board only) toggles pump operation, alternate 1-2 and 2-1 operation.
- I. Seven-Segment LED Display** shows mode, pump elapsed time (hh:mm), events (cycles), alarm counter and pump fail. (Display is optional.)
- J. Next Push Button** (with display board only) when pressed toggles display through: mode, elapsed time meter, lead/lag, cycle counters, alarm counter, and pump fail counter.
- K. Program Push Button** (with display board only) when pressed puts panel in program mode.

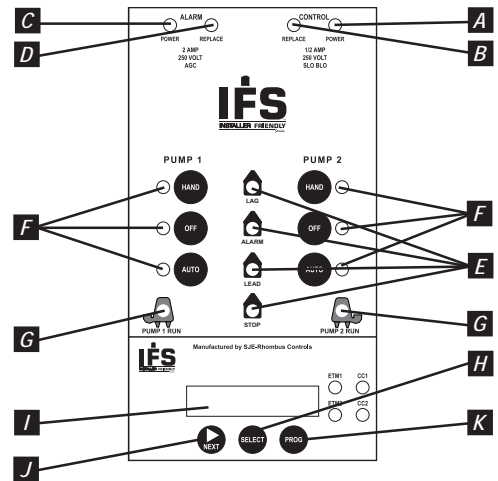
Note: LED display will turn off after one minute of not being used.

PANEL COMPONENTS

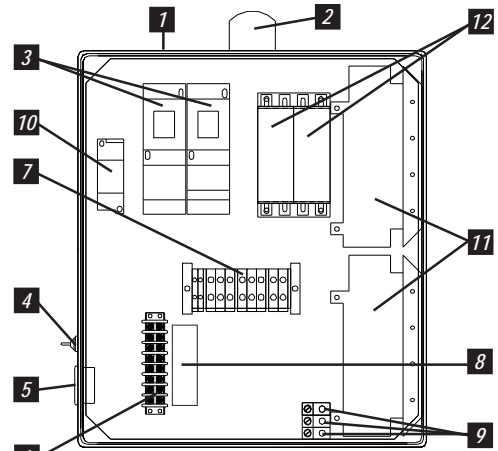
- 1. Enclosure** measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
- 2. Red Alarm Beacon** provides 360° visual check of alarm condition.
- 3. IEC Motor Contactors** control pump by switching 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 and Pump Connection Terminal Block**
- 8. Terminal Block Installation Label**
- 9. Ground Lugs**
- 10. Alarm Activation Relay**
- 11. Capacitor Start Modules** - start/run capacitor kits must be ordered separately.
- 12. Circuit Breakers** (optional) provide pump disconnect and branch circuit protection.

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

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.



Model Shown IFS81W114X912A8AC (Inner door view)



Model Shown IFS81W114X912A8AC (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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