

# INSTALLER FRIENDLY SERIES™ - IFS Three Phase Simplex

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

The IFS three phase simplex control panel is designed to control one 208, 240, or 480 VAC three phase pump in water and sewage installations.

The IFS three phase simplex 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

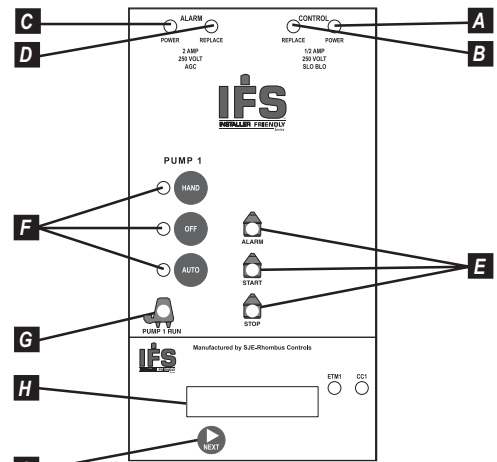
- A. **Control Power Indicator/Fuse.** Indicator light will illuminate if control power is present in panel.
- B. **Control Fuse Replace Indicator** will illuminate if control fuse is blown. Alarm will activate if control fuse is blown.
- C. **Alarm Power Indicator/Fuse.** Indicator light will illuminate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

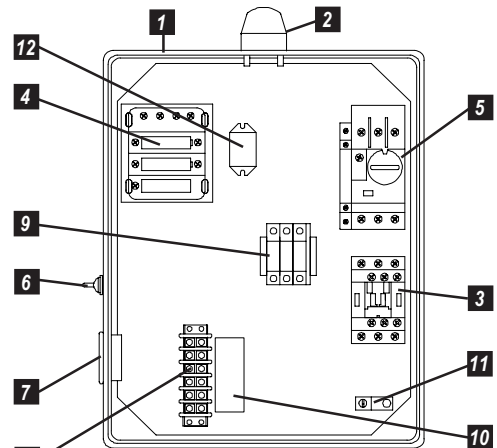
## PANEL COMPONENTS

1. **Enclosure** measures 12 x 10 x 6 inches (30.48 x 25.40 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. **Multi-Tap Transformer** (208/240/480 VAC primary) provides 120V control/ alarm voltage.
5. **Motor Protective Switch** provides adjustable overload, branch circuit protection and pump disconnect.
6. **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.
7. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
8. **Float Connection Terminal Block**
9. **Large Incoming Power Connection Terminal Block**
10. **Terminal Block Installation Label**
11. **Ground Lug**
12. **Alarm Activation Relay**

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



Model Shown IFS51W001X8AC (Inner door view)



Model Shown IFS51W001X8AC (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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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

