## INSTALLER FRIENDLY SERIES™ - IFS Simplex (Demand/TD)

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

The IFS simplex control panel is designed to control one 120, 208, 240 VAC single phase pump in water and sewage installations.

The IFS control panel features a simple, easy-to-use touch pad on the inner door for programming and monitoring pump and float operation.

The panel configuration can be easily converted in the field to either a timed dose or demand dose by a simple jumper change and by adding a display board (timed dose only) for programming pump ON/OFF times.

## **TOUCH PAD FEATURES**

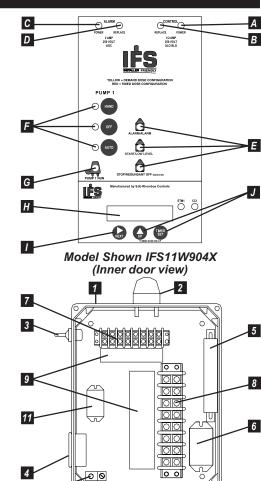
- A. Control Power Indicator/Fuse. Indicator light will illuminate if control power is present in panel.
- B. Control Fuse Replace Indicator will illuminate if control fuse is blown. Alarm will activate if control fuse is blown.
- C. Alarm Power Indicator/Fuse. Indicator light will illuminate if alarm 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, timed dose override counter, and ON/OFF times. (Display is standard on timed dose and optional on demand dose.)
- Next Push Button when pressed toggles display through: mode, elapsed time meter, cycle counter, and alarm counter. Timed dose mode also provides override counter and pump ON/OFF times.
- J. Repeat Cycle Timer Display Push Buttons when pressed sets pump ON/OFF times (timed dose only).

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

## PANEL COMPONENTS

- Enclosure base simplex measures 10 X 8 X 4 inches (25.4 X 20.32 X 10.16 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable flanges for outdoor or indoor use). Note: Options, voltage, and amp range selected may change enclosure size and component layout.
- Red Alarm Beacon provides 360° visual check of alarm condition.
- 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.
- Alarm Horn provides audio warning of alarm condition (83 to 85 decibel rating).
- Circuit Breaker (optional) provides pump disconnect and branch circuit protection.
- Power Relay controls pump by switching electrical line(s). Definite purpose contactors used when pump full load amps are above 15.
- 7. Float Connection Terminal Block
- 8. Large Incoming Power/Pump Connection Terminal Block
- 9. Terminal Block Installation Labels
- 10. Ground Lug
- 11. Alarm Activation Relay

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



Model Shown IFS11W904X (Inside view)

## **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:

  Demand Dose three 20' Sensor
  Float® control switches

  Timed Dose two 20' Sensor Float®
  control switches
- Complete with step-by-step installation instructions





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www.sjerhombus.com

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