

INSTALLER FRIENDLY SERIES™ - IFS Three Phase Duplex

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

The IFS three phase duplex control panel is designed to control two 208, 240, or 480 VAC three phase pumps in water and sewage installations.

The IFS three phase duplex 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.

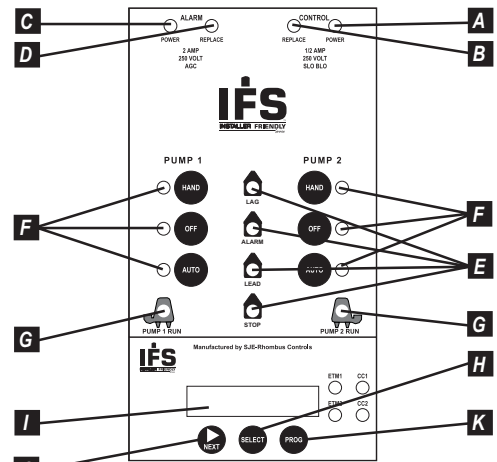
Note: LED display will turn off after one minute of not being used.

PANEL COMPONENTS

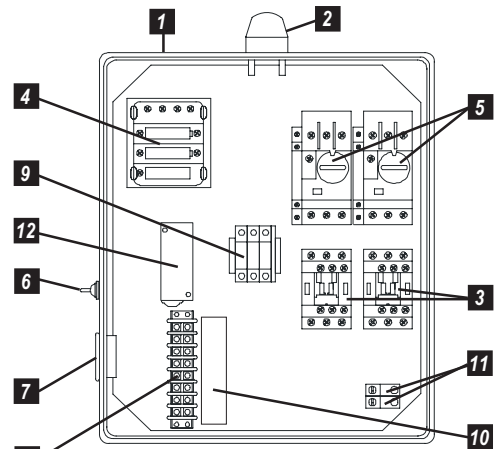
1. **Enclosure** measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Red Alarm Beacon** provides 360° visual check of alarm condition.
3. **IEC Motor Contactors** controls pump by switching electrical lines.
4. **Multi-Tap Transformer** (208/240/480 VAC primary) provides 120V control/ alarm voltage.
5. **Motor Protective Switches** 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 Lugs**
12. **Alarm Activation Relay**

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 IFS61W001X8AC
(Inner door view)



Model Shown IFS61W001X8AC
(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



PO Box 1708, Detroit Lakes, MN 56502

1-888-DIAL-SJE • 1-218-847-1317

1-218-847-4617 Fax

email: sje@sjerhombus.com

www.sjerhombus.com

| | | | | | | | | |
|---------------------------------|-------------------------------------|---|-------|----------|--|--|--|-----------|
| IFS6 | | W | | | | | | |
| MODEL IFS6 | | | | | | | | \$1650.00 |
| 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 | | | | |
| PUMP FULL LOAD AMPS | <input type="checkbox"/> | 001 = 1.0-1.6 FLA | ..... | Base | | | | |
| | <input type="checkbox"/> | 101 = 1.6-2.5 FLA | ..... | Base | | | | |
| | <input type="checkbox"/> | 201 = 2.5-4.0 FLA | ..... | Base | | | | |
| | <input type="checkbox"/> | 301 = 4.0-6.3 FLA | ..... | Base | | | | |
| | <input type="checkbox"/> | 401 = 6.0-10.0 FLA | ..... | Base | | | | |
| | <input type="checkbox"/> | 511 = 9.0-14.0 FLA | ..... | \$60.00 | | | | |
| | <input type="checkbox"/> | 611 = 13.0-18.0 FLA | ..... | \$60.00 | | | | |
| | <input type="checkbox"/> | 621 = 17.0-23.0 FLA | ..... | \$80.00 | | | | |
| | <input type="checkbox"/> | 701 = 20.0-25.0 FLA | ..... | \$80.00 | | | | |
| FLOAT SWITCH APPLICATION | <input type="checkbox"/> | H = pump down | ..... | Base | | | | |
| | <input type="checkbox"/> | X = no floats | ..... | -\$75.00 | | | | |

OPTIONS *Listed below*

★ ENCLOSURE UPSIZE - If you selected one or more of the ★ options, add a one-time \$50.00 list enclosure upsize

Total Options _____
 Enclosure Upsize _____
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 remote alarm panel | |
| <input type="checkbox"/> | ★ 5A Thermal cutout/heat sensor auto reset (for pumps w/thermal switch leads) | \$80.00 | | (must select option 6A) | \$170.00 |
| <input type="checkbox"/> | ★ 5E Seal failure circuit & red indicator (2 wire) | \$315.00 | <input type="checkbox"/> | 16A 10' cord in lieu of 20' (per float) | -\$2.00 |
| <input type="checkbox"/> | 6A Auxiliary alarm contacts, form C | \$40.00 | <input type="checkbox"/> | 16B 15' cord in lieu of 20' (per float) | -\$1.00 |
| <input type="checkbox"/> | 8AC Display board includes: ETM counter, events (cycles) counter, alarm counter and lead/lag selector switch. | \$100.00 | <input type="checkbox"/> | 16C 30' cord in lieu of 20' (per float) | \$5.00 |
| <input type="checkbox"/> | 10E Lockable latch - NEMA 4X | \$40.00 | <input type="checkbox"/> | 16D 40' cord in lieu of 20' (per float) | \$15.00 |
| <input type="checkbox"/> | 10G Lightning arrestor | \$160.00 | <input type="checkbox"/> | 17C Sensor Float® / internally weighted ▲ (per float) | \$5.00 |
| <input type="checkbox"/> | 10K Anti-condensation heater | \$100.00 | <input type="checkbox"/> | 17D Sensor Float® / externally weighted ▲ (per float) | \$7.00 |
| <input type="checkbox"/> | 11C NEMA 1 remote alarm panel (must select option 6A) | \$65.00 | <input type="checkbox"/> | 17G SJE MilliAmpMaster™ / pipe clamp ● (per float) | \$0.00 |
| | | | <input type="checkbox"/> | 17H SJE MilliAmpMaster™ / externally weighted ● (per float) | \$7.00 |
| | | | <input type="checkbox"/> | 19F Fourth float to separate alarm function from lag | \$25.00 |

● Mechanically-activated ▲ Mercury-activated

SAMPLE

| | | | | | | | | | |
|---|------------|----------|-----------|----------|------------|----------|------------|------------|--|
| MODEL | IFS | 6 | 1 | W | 001 | H | 8AC | 10E | |
| Model Type | | | | | | | | | |
| Alarm Package | | | | | | | | | |
| Enclosure Rating | | | | | | | | | |
| Pump Full Load Amps | | | | | | | | | |
| Switch Application | | | | | | | | | |
| Options: Display, Lockable Latch | | | | | | | | | |
| LIST PRICE | IFS6 | ..... | \$1650.00 | | | | | | |
| | 1 | ..... | Base | | | | | | |
| | W | ..... | Base | | | | | | |
| | 001 | ..... | Base | | | | | | |
| | H | ..... | Base | | | | | | |
| | 8AC | ..... | \$100.00 | | | | | | |
| | 10E | ..... | \$40.00 | | | | | | |
| TOTAL LIST PRICE | | | \$1790.00 | | | | | | |