

INSTALLER FRIENDLY SERIES® - IFS Single Phase Simplex

Single phase, simplex demand dose or timed dose, float or C-Level™ 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 panel features an easy-to-use touch pad with display on the inner door for programming and system monitoring. The panel configuration can be easily converted in the field to either a timed dose or demand dose.

The optional C-Level™ sensor is a pressure transducer that senses the liquid level in the tank and sends a signal to the IFS panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

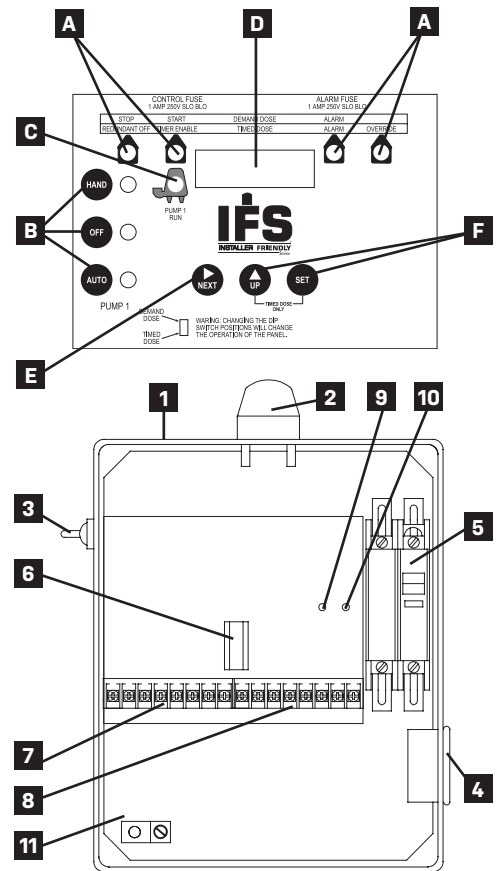
TOUCH PAD FEATURES

- A. Level Status Indicators** illuminate when floats or set points are activated. Alarm will activate if a float operates out of sequence.
- B. HOA (Hand-Off-Automatic) Buttons** control pump mode with indication. Hand mode defaults to Automatic when stop level or redundant off level is reached.
- C. Pump Run Indicator** illuminates when pump is called to run.
- D. LED Display** shows system information including: level in inches or centimeters (C-Level™ only), mode, pump elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only).
- E. NEXT Push Button** toggles display.
- F. UP and SET Push Buttons** set pump ON/OFF times (timed dose only) or activation levels (C-Level™ only).

PANEL COMPONENTS

- 1. Enclosure** measures 12x10x6 inches (30.48x24.4x15.24) NEMA 4X (ultraviolet stabilized thermoplastic, padlockable with integral mounting flanges, drip shield, (2) heavy duty cover latches, and stainless steel ¼ turn set screw; for outdoor or indoor use). Note: added options, voltage, and amp range selected may change enclosure size and enclosure features, and component layout.
- 2. Red Alarm Beacon** provides 360° visual check of alarm condition.
- 3. 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.
- 4. Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
- 5. Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.
- 6. Power Relay** controls pump by switching electrical lines. Definite purpose contactor used when pump full load amps are above 15.
- 7. Float Connection Terminal Block**
- 8. Incoming Control/Alarm Power & Pump Terminal Block**
- 9. Control Power Indicator/Fuse** indicator light illuminates if control power is present in panel. Alarm will activate if control fuse is blown.
- 10. Alarm Power Indicator/Fuse** indicator light illuminates if alarm power is present in panel.
- 11. Ground Lug**

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



Model Shown IFS11W114X8AC

Reg. Cdn Pat. & TM Off

C-Level™ Sensor US Patent No. 8,336,385; 8,567,242; 8,650,949

FEATURES

- Entire control system 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' control switches
 - Timed Dose** - two 20' control switches
- Available with EZconnex® float system
- Complete with step-by-step installation instructions
- Five-year limited warranty
- One-year limited warranty on C-Level™ Sensor



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B.11

California Prop 65 requires the following: WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SEE REVERSE SIDE FOR ORDERING INFORMATION.

IFS

1

W

8AC10E

MODEL IFS

MODEL TYPE

1 = SPLX TIMED DOSE (includes option 8AC standard)\$983.00
 2 = SPLX DEMAND DOSE (includes option 8AC standard)\$1,010.00

ALARM PACKAGE

1 = alarm package (includes test/normal/silence switch, fuse, red light & horn)Base

ENCLOSURE RATING

W = NEMA 4XBase

STARTING DEVICE

1 = 120/208/240 VACBase
 9 = 120 VACBase

PUMP FULL LOAD AMPS

0 = 0-7 FLABase
 1 = 7-15 FLABase
 2 = 15-20 FLA\$85.00

PUMP DISCONNECTS

0 = no pump disconnectBase
 4 = circuit breaker
 120 VAC (must select starting device option 9)\$37.00
 120/208/240 VAC (must select starting device option 1)\$74.00

SWITCH APPLICATIONS

H = floats (Timed dose = timer enable and alarm / Demand dose = stop, start, and alarm) (select 17 option)Base
 E = EZconnex® float switch system (select 33, 35 or 36 option)
 timed dose-\$54.00
 demand dose-\$81.00
 X = no floats
 timed dose-\$54.00
 demand dose-\$81.00
 C = C-Level™ sensor (must select 24 or 29 option)
 (select option 3E and/or 4A & 4D for high water alarm and/or redundant off floats)
 timed dose-\$54.00
 demand dose-\$81.00

Note: Pump down applications only.

Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off.

OPTIONS *Listed below*

Total Options _____
TOTAL LIST PRICE _____

CODE	DESCRIPTION	LIST PRICE
1J	Duo alarm inputs.....	\$27.00
3A	Alarm flasher.....	\$53.00
3B	Manual alarm reset.....	\$95.00
3E	High water alarm float (must select 17 option) (Available only when Switch Applications = C)	\$27.00
4A	Redundant off (select option 4D if floats are required) Demand Dose.....	\$58.00
	Timed Dose	\$0.00
4D	Redundant off float (must select 4A option) (must select 17 option)	\$27.00
6A	Auxiliary alarm contacts, Form C.....	\$42.00
8AC	Display board includes: ETM counter, events (cycles) counter, alarm counter, and override counter (timed dose only). (Included as standard.)	\$0.00
10E	Lockable latch - NEMA 4X (Included as standard.)	\$0.00
10F	Lightning arrestor (must select pump circuit breaker, control and alarm power combined)	\$244.00
10K	Anti-condensation heater	\$106.00
11C	NEMA 1 alarm panel (must select option 6A)	\$95.00
11D	NEMA 4X alarm panel (must select option 6A)	\$315.00
15A	Control / Alarm circuit breaker	\$90.00
16A	10' cord in lieu of 20' (per float)	-\$3.00
16B	15' cord in lieu of 20' (per float)	-\$2.00
16C	30' cord in lieu of 20' (per float)	\$5.00
16D	40' cord in lieu of 20' (per float)	\$15.00

CODE	DESCRIPTION	LIST PRICE
17C	Sensor Float* / internally weighted ▲ (per float)	\$9.00
17D	Sensor Float* / externally weighted ▲ (per float)	\$11.00
17G	MilliAmpMaster™/ pipe clamp ● (per float)	\$0.00
17H	MilliAmpMaster™/ externally weighted ● (per float)	\$7.00
17J	Sensor Float* / pipe clamp ▲ (per float)	\$4.00
18A	Timer override float (timed dose float panel only)	\$27.00
24E	C-Level™ CL40 sensor with 4' vent tube & 20' cord.....	\$297.00
24F	C-Level™ CL40 sensor with 4' vent tube & 40' cord	\$329.00
24G	C-Level™ CL40 sensor with 8' vent tube & 20' cord.....	\$302.00
24H	C-Level™ CL40 sensor with 8' vent tube & 40' cord.....	\$334.00
24X	No C-Level™ CL40 sensor	\$0.00
29A	C-Level™ CL100 sensor w/10' vent tube & 20' cord	\$307.00
29B	C-Level™ CL100 sensor w/10' vent tube & 40' cord	\$339.00
29X	No C-Level™ CL100 sensor	\$0.00
33D	EZconnex® 3-Port, 25', w/10' floats (3) /pipe clamp *.....	\$268.00
33E	EZconnex® 3-Port, 50', w/10' floats (3) /pipe clamp *.....	\$304.00
33G	EZconnex® 3-Port, 25', w/20' floats (3) /pipe clamp *.....	\$288.00
33H	EZconnex® 3-Port, 50', w/20' floats (3) /pipe clamp *.....	\$324.00
35D	EZconnex® 4-Port, 25', w/10' floats (4) /pipe clamp *.....	\$379.00
35E	EZconnex® 4-Port, 50', w/10' floats (4) /pipe clamp *.....	\$424.00
35G	EZconnex® 4-Port, 25', w/20' floats (4) /pipe clamp *.....	\$405.00
35H	EZconnex® 4-Port, 50', w/20' floats (4) /pipe clamp *.....	\$450.00
36D	EZconnex® 3-Port, 25' w/10' floats (2) /pipe clamp, sealing plug *.....	\$232.00
36E	EZconnex® 3-Port, 50' w/10' floats (2) /pipe clamp, sealing plug *.....	\$268.00
36G	EZconnex® 3-Port, 25' w/20' floats (2) /pipe clamp, sealing plug *.....	\$245.00
36H	EZconnex® 3-Port, 50' w/20' floats (2) /pipe clamp, sealing plug *.....	\$281.00

● Mechanically-activated ▲ Mercury-activated

* EZconnex® mechanically-activated, narrow angle float switches with quick release connections.

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