

# Float Switch Operated (Empty Tank) Sewage Control Panels



Simplex control board



Duplex control board



✔ **Field adaptable and expandable**  
Modify a demand control to a timed dosing panel in seconds. Add time meters and event counters at anytime. Easily meet your customers, inspectors or engineers specifications.

✔ **One button self diagnosing**  
Reduce installation and service time. Press the Check It switch to diagnose electrical wiring, float operation and installation, pumps and pump alternation.

## Features



### Check It

One button troubleshooting

**Alarm system - IEC only**  
Automatic or manual reset (field convertible)

**Expandable - IEC only**  
Add ETM, Counters, or Timed Dosing

**Telemetry system & BAS**  
ready (Auxiliary contacts)

**Lead pump selector switch**

**Indicator lights for floats, pumps and power**

**Separate Alarm and Control Fuses**

**Enclosure**  
Thermoplastic for NEMA 1/4X

**HOA Switch**  
Automatic or manual pump control

**Alternating Relay**  
(Duplex only)

**Programable Timer**  
(Timed dosing only)

**Field Wiring Terminal**

**Float Switches Labeled**  
For easy field wiring

**Alarm Buzzer**  
Loud 100 db warble  
**3-Year Warranty**



### SINGLE PHASE SIMPLEX 3 - 20 ft Control Switches Included (Add X for No Floats)

Pump Volts	Pump Amps	NEMA 4X (Outside Enclosure)				NEMA 1 (Indoor Enclosure)			
		Circuit Breaker		No Circuit Breaker		Circuit Breaker		No Circuit Breaker	
		IEC	Economy	IEC	Economy	IEC	Economy	IEC	Economy
120	0-15 FLA	1000	e1000	1003	e1003	1006	e1006	1009	e1009
120	16-20 FLA	1001	e1001	1004	e1004	1007	e1007	1010	e1010
120	21-30 FLA	1002		1005		1008		1011	
120/230	0-15 FLA	1012	e1012	1015	e1015	1018	e1018	1021	e1021
120/230	16-20 FLA	1013	e1013	1016	e1016	1019	e1019	1022	e1022
120/230	21-30 FLA	1014		1017		1020		1023	

### TIMED DOSING 2 - 20 ft Control Switches Included (Add X for No Floats)

Pump Volts	Pump Amps	NEMA 4X (Outside Enclosure)				NEMA 1 (Indoor Enclosure)			
		Circuit Breaker		No Circuit Breaker		Circuit Breaker		No Circuit Breaker	
		IEC	Economy	IEC	Economy	IEC	Economy	IEC	Economy
120	0-15 FLA	1200	e1200	1203	e1203	1206	e1206	1209	e1209
120	16-20 FLA	1201	e1201	1204	e1204	1207	e1207	1210	e1210
120	21-30 FLA	1202		1205		1208		1211	
120/230	0-15 FLA	1212	e1212	1215	e1215	1218	e1218	1221	e1221
120/230	16-20 FLA	1213	e1213	1216	e1216	1219	e1219	1222	e1222
120/230	21-30 FLA	1214		1217		1220		1223	

### SINGLE PHASE DUPLEX 3 - 20 ft Control Switches Included (Add X for No Floats)

Pump Volts	Pump Amps	NEMA 4X (Outside Enclosure)				NEMA 1 (Indoor Enclosure)			
		Circuit Breaker		No Circuit Breaker		Circuit Breaker		No Circuit Breaker	
		IEC	Economy	IEC	Economy	IEC	Economy	IEC	Economy
120	0-15 FLA	2000	e2000	2003	e2003	2006	e2006	2009	e2009
120	16-20 FLA	2001	e2001	2004	e2004	2007	e2007	2010	e2010
120	21-30 FLA	2002		2005		2008		2011	
120/230	0-15 FLA	2012	e2012	2015	e2015	2018	e2018	2021	e2021
120/230	16-20 FLA	2013	e2013	2016	e2016	2019	e2019	2022	e2022
120/230	21-30 FLA	2014		2017		2020		2023	

Ordering Example e2016 Single phase duplex - 120/230 VAC - 16-20 FLA - NEMA 4X - No Circuit Breaker - Economy

### IEC VS. Economy control panels Choose the correct panel to fit your needs.

**IEC** Alderon preferred quality controls use IEC contactors which are worth the long lasting two million (2,000,000) cycle rating.

### Economy

Meets competitor models by using definite purpose contactors rated at 100,000 cycles. Considerations should be made related to short vs long term cost benefits.



Leading Edge Control Products

Alarm Systems

Control Panels

Float Switches

Leak Detection Systems

Float Switch Operated (Empty Tank)

# Sewage Control Panels

## THREE PHASE SIMPLEX 3 - 20 ft Control Switches Included (Add "X" for No Floats)

Pump Amps	Pump Volts	NEMA 4X (Outdoor Enclosure)	NEMA 1 (Indoor Enclosure)
1.0- 1.6 FLA	208/230/460 VAC	3014	3020
1.6- 2.5 FLA	208/230/460 VAC	3000	3007
2.5- 4.0 FLA	208/230/460 VAC	3001	3008
4.0- 6.3 FLA	208/230/460 VAC	3002	3009
6.0-10.0 FLA	208/230/460 VAC	3003	3010
9.0- 14.0 FLA	208/230/460 VAC	3004	3011
13.0- 18.0 FLA	208/230/460 VAC	3005	3012
17.0- 23.0 FLA	208/230/460 VAC	3006	3013
20.0- 25.0 FLA	208/230/460 VAC	3015	3021
24.0- 32.0 FLA	208/230/460 VAC	3016	3022
30.0- 40.0 FLA	208/230/460 VAC	3017	3023
37.0- 50.0 FLA	208/230/460 VAC	3018	3024
48.0- 65.0 FLA	208/230/460 VAC	3019	3025

## THREE PHASE DUPLEX 3 - 20 ft Control Switches Included (Add "X" for No Floats)

1.0- 1.6 FLA	208/230/460 VAC	3214	3220
1.6- 2.5 FLA	208/230/460 VAC	3200	3207
2.5- 4.0 FLA	208/230/460 VAC	3201	3208
4.0- 6.3 FLA	208/230/460 VAC	3202	3209
6.0-10.0 FLA	208/230/460 VAC	3203	3210
9.0- 14.0 FLA	208/230/460 VAC	3204	3211
13.0- 18.0 FLA	208/230/460 VAC	3205	3212
17.0- 23.0 FLA	208/230/460 VAC	3206	3213
20.0- 25.0 FLA	208/230/460 VAC	3215	3221
24.0- 32.0 FLA	208/230/460 VAC	3216	3222
30.0- 40.0 FLA	208/230/460 VAC	3217	3223
37.0- 50.0 FLA	208/230/460 VAC	3218	3224
48.0- 65.0 FLA	208/230/460 VAC	3219	3225

## PANEL OPTIONS (For ALL Single and Three Phase Control Panels)

- A - Event counter
- B - Elapsed timer meter
- C - Auxiliary alarm contacts - Standard on Check It series control panels
- D - Lockable latch
- E - Alarm flasher
- F - Lightning protection
- G - 4th float for duplex, separates lag from alarm
- H - Timer override float (Timed Dosing only)
- I - Redundant off float (also choose option Q)
- P - Single phase overload protection (specify Amps)
- Q - Low level cut-out (redundant off) circuit
- R - External float weights
- S - Anti-condensation heater
- X - No floats

Place option letter behind part number.

## CUSTOM CAPABILITY

Any panel can be designed to meet your needs. Our professional customer service quickly prepares quotes so you can bid your jobs fast. Submittals may be obtained upon request. Common applications for custom panels include: lift stations, irrigation systems, pressure booster systems storm water and many more Call for a complete quote

## Features

### Enclosure

Thermoplastic for NEMA 1/4X

### HOA Switch

Automatic or manual pump control

### Green Pump Run Indicator

**Fused Control Disconnect**  
(Provides on/off function)

### Alternating Relay

(Duplex only)

### Multi-Tap Transformer

### IEC Motor Contactor

### Motor Protective Switch

### Field Wiring Terminal Block

### Terminal Block Field

Wiring label

### Ground Lug

### Mechanical Float Switches

Patented switching mechanism

### Float Switches Labeled

For easy field wiring

### Alarm Fuse

### Alarm Indicator

Top mounted beacon  
(NEMA 4X)  
Door mounted indicator  
(NEMA 1)

### Alarm Buzzer

Loud 100 db warble

### Auto Reset

Horn silence

### Test/Silence Switches

### 3-Year Warranty

### Industrial Control Panel

(UL 508A)



Leading Edge Control Products

L1020-Rev.C