

# Smart Panels™ - Demand Dose

## Leading Edge Design

Alderon's SMART PANELS™ use innovative programmable controllers that provide complete and accurate monitoring information useful for system designers, installers and maintenance personnel. The Smart Panels™ are easy to use and simple to install. Use Alderon's SMART PANELS™ when complete system monitoring and an affordable price is needed.



## Key Features

- Elapsed Time Meter**  
(Auto mode only)
- Pump Cycle Counter**  
(Auto mode only)
- Alarm Cycle Counter**
- Lag Delay Timer**  
(Duplex only)
- Automatic Simplex Mode**  
(By placing either HOA switch in the off position on a duplex panel)
- Flashing Alarm Indicator**

## Demand Dose Smart Panels - Float Controlled

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

120 VAC  
NEMA 4X (Outdoor Enclosure)

Pump Amps	Pump Volts	With Circuit Breaker
0-15 FLA	120	1500
16-20 FLA	120	1501
21-30 FLA	120	1502

120/230 VAC  
NEMA 4X (Outdoor Enclosure)

Pump Amps	Pump Volts	With Circuit Breaker
0-15 FLA	120/230	1515
16-20 FLA	120/230	1516
21-30 FLA	120/230	1517

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

120 VAC  
NEMA 4X (Outdoor Enclosure)

Pump Amps	Pump Volts	With Circuit Breaker
0-15 FLA	120	1800
16-20 FLA	120	1801
21-30 FLA	120	1802

120/230 VAC  
NEMA 4X (Outdoor Enclosure)

Pump Amps	Pump Volts	With Circuit Breaker
0-15 FLA	120/230	1815
16-20 FLA	120/230	1816
21-30 FLA	120/230	1817

### SINGLE PHASE TRIPLEX 5-20 ft Control Switches Included (Add "X" for No Floats)

120 VAC  
NEMA 4X (Outdoor Enclosure)

Pump Amps	Pump Volts	With Circuit Breaker
0-15 FLA	120	1828
16-20 FLA	120	1829
21-30 FLA	120	1830

120/230 VAC  
NEMA 4X (Outdoor Enclosure)

Pump Amps	Pump Volts	With Circuit Breaker
0-15 FLA	120/230	1831
16-20 FLA	120/230	1832
21-30 FLA	120/230	1833

### SINGLE PHASE QUADRAPLEX 6-20 ft Control Switches Included (Add "X" for No Floats)

120 VAC  
NEMA 4X (Outdoor Enclosure)

Pump Amps	Pump Volts	With Circuit Breaker
0-15 FLA	120	1835
16-20 FLA	120	1836
21-30 FLA	120	1837

120/230 VAC  
NEMA 4X (Outdoor Enclosure)

Pump Amps	Pump Volts	With Circuit Breaker
0-15 FLA	120/230	1838
16-20 FLA	120/230	1839
21-30 FLA	120/230	1840

## Basic Features

- Enclosure**  
Thermoplastic for NEMA 1/4X
- HOA Switch**  
Automatic or manual pump control
- Pump Run Indicator**
- Fused Control Disconnect**  
(Provides on/off function)
- Pump Alternation**  
(Duplex only)
- IEC Motor Contactor**
- 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 Indicator**  
Top mounted beacon
- Alarm Buzzer**  
Loud 100 db warble
- Auto Reset Silence Switch**  
Horn silence
- 3-Year Warranty**
- Industrial Control Panel**  
(UL 508A)



Leading Edge Control Products

Alarm Systems

Control Panels

Float Switches

Leak Detection Systems

# Smart Panels™ - Demand Dose

## Demand ( float control ) Sewage Panels continued

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

Pump Amps	Pump Volts	NEMA 4X (Outdoor Enclosure)
1.0- 1.6 FLA	208/230/460 VAC	3114
1.6- 2.5 FLA	208/230/460 VAC	3100
2.5- 4.0 FLA	208/230/460 VAC	3101
4.0- 6.3 FLA	208/230/460 VAC	3102
6.0-10.0 FLA	208/230/460 VAC	3103
9.0- 14.0 FLA	208/230/460 VAC	3104
13.0- 18.0 FLA	208/230/460 VAC	3105
17.0- 23.0 FLA	208/230/460 VAC	3106
20.0- 25.0 FLA	208/230/460 VAC	3115
24.0- 32.0 FLA	208/230/460 VAC	3116

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

1.0- 1.6 FLA	208/230/460 VAC	3314
1.6- 2.5 FLA	208/230/460 VAC	3300
2.5- 4.0 FLA	208/230/460 VAC	3301
4.0- 6.3 FLA	208/230/460 VAC	3302
6.0-10.0 FLA	208/230/460 VAC	3303
9.0- 14.0 FLA	208/230/460 VAC	3304
13.0- 18.0 FLA	208/230/460 VAC	3305
17.0- 23.0 FLA	208/230/460 VAC	3306
20.0- 25.0 FLA	208/230/460 VAC	3315
24.0- 32.0 FLA	208/230/460 VAC	3316

### THREE PHASE TRIPLEX 5 - 20ft Control Switches Included (Add "X" for No Floats)

1.0- 1.6 FLA	208/230/460 VAC	3317
1.6- 2.5 FLA	208/230/460 VAC	3318
2.5- 4.0 FLA	208/230/460 VAC	3319
4.0- 6.3 FLA	208/230/460 VAC	3320
6.0-10.0 FLA	208/230/460 VAC	3321
9.0- 14.0 FLA	208/230/460 VAC	3322
13.0- 18.0 FLA	208/230/460 VAC	3323
17.0- 23.0 FLA	208/230/460 VAC	3324
20.0- 25.0 FLA	208/230/460 VAC	3325
24.0- 32.0 FLA	208/230/460 VAC	3326

### THREE PHASE QUADPLEX 6 - 20ft Control Switches Included (Add "X" for No Floats)

1.0- 1.6 FLA	208/230/460 VAC	3327
1.6- 2.5 FLA	208/230/460 VAC	3328
2.5- 4.0 FLA	208/230/460 VAC	3329
4.0- 6.3 FLA	208/230/460 VAC	3330
6.0-10.0 FLA	208/230/460 VAC	3331
9.0- 14.0 FLA	208/230/460 VAC	3332
13.0- 18.0 FLA	208/230/460 VAC	3333
17.0- 23.0 FLA	208/230/460 VAC	3334
20.0- 25.0 FLA	208/230/460 VAC	3335
24.0- 32.0 FLA	208/230/460 VAC	3336

## Key Features

**Elapsed Time Meter**  
(Auto mode only)

**Pump Cycle Counter**  
(Auto mode only)

**Alarm Cycle Counter**

**Lag Delay Timer**  
(Duplex only)

**Automatic Simplex Mode**  
(By placing either HOA switch in the off position on a duplex panel)

**Flashing Alarm Indicator**

### Basic Features

#### Enclosure

Thermoplastic for NEMA 1/4X

#### HOA Switch

Automatic or manual pump control

#### Pump Run Indicator

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

**Pump Alternation**  
(Duplex only)

#### IEC Motor Contactor

**Multi-Tap Transformer**  
(Three phase only)

**Motor Protective Switch**  
(Three phase only)

#### 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 Indicator**  
Top mounted beacon

**Alarm Buzzer**  
Loud 100 db warble

**Auto Reset Silence Switch**  
Horn silence

#### 3-Year Warranty

**Industrial Control Panel**  
(UL 508A)



Leading Edge Control Products

CS1027A