

# Smart Panels™ - Timed 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)
- Timer Override Cycle Counter**
- Alarm Cycle Counter**
- Programmable Timed Doses**  
(Independently adjust pump on and off times)
- Programmable Timer Override**  
(Programmable pump run time when timer override float activated)
- 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**
- Field Wiring Terminal Block**
- Terminal Block Field Wiring Label**
- Ground Lug**
- Mechanical Float Switches**  
Patented switching mechanism
- Float Switches Labeled**  
For easy field wiring
- Flashing Alarm Indicator**  
Top mounted beacon (NEMA 4X)  
Door mounted indicator (NEMA 1)
- Alarm Buzzer**  
Loud 100 db warble
- Auto Reset Silence Switch**  
Horn silence
- 3-Year Warranty**
- Industrial Control Panel**  
(UL 508A)



## Timed Dosing Panels

### SINGLE PHASE SIMPLEX Timed Dosing, 2-20 ft Control Switches Included (Add "X" for No Floats)

Pump Volts	Pump Amps	NEMA 4X (Outdoor Enclosure)		NEMA 1 (Indoor Enclosure)	
		With Circuit Breaker	Without Circuit Breaker	With Circuit Breaker	Without Circuit Breaker
120	0-15 FLA	1100	1103	1106	1109
120	16-20 FLA	1101	1104	1107	1110
120	21-30 FLA	1102	1105	1108	1111
120/230	0-15 FLA	1115	1118	1121	1124
120/230	16-20 FLA	1116	1119	1122	1125
120/230	21-30 FLA	1117	1120	1123	1126

### SINGLE PHASE DUPLEX Timed Dosing, 2-20 ft Control Switches Included (Add "X" for No Floats)

Pump Volts	Pump Amps	NEMA 4X (Outdoor Enclosure)		NEMA 1 (Indoor Enclosure)	
		With Circuit Breaker	Without Circuit Breaker	With Circuit Breaker	Without Circuit Breaker
120	0-15 FLA	1300	1303	1306	1309
120	16-20 FLA	1301	1304	1307	1310
120	21-30 FLA	1302	1305	1308	1311
120/230	0-15 FLA	1315	1318	1321	1324
120/230	16-20 FLA	1316	1319	1322	1325
120/230	21-30 FLA	1317	1320	1323	1326

Ordering grid example →

## ORDERING EXAMPLE

Single phase duplex timed dosing panel for pumps 21-30 Amps, 230 VAC, NEMA 4X enclosure, no circuit breakers = Part Number 1320. For no floats = Part Number 1320X  
**Add Option Codes as required (see back).**



Leading Edge Control Products

Alarm Systems

Control Panels

Float Switches

Leak Detection Systems

# Smart Panels™ - Timed Dose

## TIMED DOSING CONTROL PANELS

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

NEMA 4X (Outdoor Enclosure)

Pump Amps	Pump Volts	With Circuit Breaker
0-15 FLA	120	1328
16-20 FLA	120	1329
21-30 FLA	120	1330
0-15 FLA	120/230	1331
16-20 FLA	120/230	1332
21-30 FLA	120/230	1333

### SINGLE PHASE TSDS - TIMED DOSE SIMPLEX & DEMAND SIMPLEX

NEMA 4X (Outdoor Enclosure)

Pump Amps	Pump Volts	With Circuit Breaker
0-15 FLA	120	1335
16-20 FLA	120	1336
21-30 FLA	120	1337
0-15 FLA	120/230	1338
16-20 FLA	120/230	1339
21-30 FLA	120/230	1340

The Single Phase TSDS control panel includes one time dosing control and one demand pump control. The Time dose control includes two floats, low cut out and high water. Timer override and Redundant off floats are optional. The demand control utilizes two floats: Wide Angle on/off float and a high water alarm float. The high water alarm float in the demand system disables time dose control. The control panel will monitor pump hours and pump starts for each pump.

## 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

**Flashing Alarm Indicator**  
Top mounted beacon (NEMA 4X)  
Door mounted indicator (NEMA 1)

**Alarm Buzzer**  
Loud 100 db warble

**Auto Reset Silence Switch**  
Horn silence

**3-Year Warranty**

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



Leading Edge Control Products

L1064-Rev.B