

# Water Well Control Panels

## Leading Edge Design

Alderon's float switch operated **water well control panels** are the perfect choice for water pumping applications. The control panels are heavy duty, installation friendly and affordable. A simple selection guide makes selecting the correct panel for the job a simple task.



the factory labeled float switches. This eliminates wiring errors and downtime.

By using high quality components and professional workmanship, our control panels will provide years of trouble free operation. When you need a reliable and affordable control panel, make Alderon Industries your number one choice.

Quick and easy installation is accomplished by our detailed terminal block wiring diagram that corresponds to

### SINGLE PHASE SIMPLEX **Float Control, 3 - 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	1400	1403	1406	1409
120	16-20 FLA	1401	1404	1407	1410
120	21-30 FLA	1402	1405	1408	1411
120/230	0-15 FLA	1412	1415	1418	1421
120/230	16-20 FLA	1413	1416	1419	1422
120/230	21-30 FLA	1414	1417	1420	1423

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

Pump Volts	Pump Amps	NEMA 4X (Outdoor Enclosure)		NEMA 1 (Indoor Enclosure)	
		With Circuit Breakers	Without Circuit Breakers	With Circuit Breakers	Without Circuit Breakers
120	0-15 FLA	2200	2203	2206	2209
120	16-20 FLA	2201	2204	2207	2210
120	21-30 FLA	2202	2205	2208	2211
120/230	0-15 FLA	2212	2215	2218	2221
120/230	16-20 FLA	2213	2216	2219	2222
120/230	21-30 FLA	2214	2217	2220	2223

Ordering example grid →

### ORDERING EXAMPLE

Single phase duplex control panel for pumps 21-30 AMPS, 230 VAC, NEMA 4X enclosure, no circuit breakers = Part Number 2217.

For no floats = Part Number 2217X.

Add option codes as required (see back).

## 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)

**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 Fuse**

**Alarm Indicator**  
Top mounted beacon

**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

Alarm Systems

Control Panels

Float Switches

Leak Detection Systems

Float Switch Operated (Fill Tank)

# Water Well 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	3414	3417
1.6-2.5 FLA	208/230/460 VAC	3400	3407
2.5-4.0 FLA	208/230/460 VAC	3401	3408
4.0-6.3 FLA	208/230/460 VAC	3402	3409
6.0-10.0 FLA	208/230/460 VAC	3403	3410
9.0-14.0 FLA	208/230/460 VAC	3404	3411
13.0-18.0 FLA	208/230/460 VAC	3405	3412
17.0-23.0 FLA	208/230/460 VAC	3406	3413
20.0-25.0 FLA	208/230/460 VAC	3415	3418
24.0-32.0 FLA	208/230/460 VAC	3416	3419

**THREE PHASE DUPLEX 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	3614	3617
1.6-2.5 FLA	208/230/460 VAC	3600	3607
2.5-4.0 FLA	208/230/460 VAC	3601	3608
4.0-6.3 FLA	208/230/460 VAC	3602	3609
6.0-10.0 FLA	208/230/460 VAC	3603	3610
9.0-14.0 FLA	208/230/460 VAC	3604	3611
13.0-18.0 FLA	208/230/460 VAC	3605	3612
17.0-23.0 FLA	208/230/460 VAC	3606	3613
20.0-25.0 FLA	208/230/460 VAC	3615	3618
24.0-32.0 FLA	208/230/460 VAC	3616	3619

**PANEL OPTIONS**

For ALL Single and Three Phase Control Panels

- A - Event counter
- B - Elapsed timer meter
- C - Auxiliary alarm contacts
- D - Lockable latch
- E - Alarm flasher
- F - Lightning protection
- G - 4th float for duplex, separates lag from alarm
- 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

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CS1028A