

Water Well Control Panels

Leading Edge Design

Alderon's pressure switch operated **water well control panels** are the perfect choice for water pumping applications. Our Single Phase control panels can be used with customer



supplied external pump starter boxes and pressure switches. Optionally, the starter boxes can be installed within the control panel for a professional installation.

Three phase control panels are made with a multi-tap transformer allowing the panels to operate on 208, 230 or 460 VAC. A simple selection guide makes selecting the correct panel for the job a simple task. When you need a reliable and affordable control panel, make Alderon Industries your number one choice.

SINGLE PHASE SIMPLEX Customer provided pressure switch and pump starter box (i.e., standard starter box).

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	1600	1603	1606	1609
120	16-20 FLA	1601	1604	1607	1610
120	21-30 FLA	1602	1605	1608	1611
120/230	0-15 FLA	1612	1615	1618	1621
120/230	16-20 FLA	1613	1616	1619	1622
120/230	21-30 FLA	1614	1617	1620	1623

SINGLE PHASE DUPLEX Customer provided pressure switch and pump starter box that contains no motor contactor (i.e., standard starter box).

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	2400	2403	2406	2409
120	16-20 FLA	2401	2404	2407	2410
120	21-30 FLA	2402	2405	2408	2411
120/230	0-15 FLA	2412	2415	2418	2421
120/230	16-20 FLA	2413	2416	2419	2422
120/230	21-30 FLA	2414	2417	2420	2423

Ordering example grid →

SINGLE PHASE DUPLEX Customer provided pressure switch and pump starter box that does contain a motor contactor (i.e., deluxe starter box).

Pump Volts	Pump Amps	NEMA 4X (Outdoor Enclosure)*		NEMA 1 (Indoor Enclosure)	
		With Circuit Breakers	Without Circuit Breakers	With Circuit Breakers	Without Circuit Breakers
120/230	0-15 FLA	Not Applicable	2600	Not Applicable	2603
120/230	16-20 FLA	Not Applicable	2601	Not Applicable	2604
120/230	21-30 FLA	Not Applicable	2602	Not Applicable	2605

ORDERING EXAMPLE

Single phase duplex control panel for pumps 21-30 Amps, 230 VAC, using standard starter box, NEMA 4X enclosure, no circuit breakers = Part Number 2417.

*Add Option Code I for space to mount pump starter box(es) inside control panel (NEMA 4X only) or Option Code K for Alderon to install customer supplied starter box(es).

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

(For use with standard starter boxes)

Field Wiring Terminal Block

Terminal Block Field

Wiring label

Ground Lug

3-Year Warranty

Industrial Control Panel

(UL 508A)



NOTE:
No Alarm Included.
For applications requiring alarm, call for quote.



Leading Edge Control Products

Alarm Systems

Control Panels

Float Switches

Leak Detection Systems

Pressure Switch Operated (Fill Tank)

Water Well Control Panels

THREE PHASE SIMPLEX

Customer supplied pressure switch

Pump Amps	Pump Volts	NEMA 4X (Outdoor Enclosure)	NEMA 1 (Indoor Enclosure)
1.0-1.6 FLA	208/230/460 VAC	3814	3817
1.6-2.5 FLA	208/230/460 VAC	3800	3807
2.5-4.0 FLA	208/230/460 VAC	3801	3808
4.0-6.3 FLA	208/230/460 VAC	3802	3809
6.0-10.0 FLA	208/230/460 VAC	3803	3810
9.0-14.0 FLA	208/230/460 VAC	3804	3811
13.0-18.0 FLA	208/230/460 VAC	3805	3812
17.0-23.0 FLA	208/230/460 VAC	3806	3813
20.0-25.0 FLA	208/230/460 VAC	3815	3818
24.0-32.0 FLA	208/230/460 VAC	3816	3819

THREE PHASE DUPLEX

Customer supplied pressure switches

Pump Amps	Pump Volts	NEMA 4X (Outdoor Enclosure)	NEMA 1 (Indoor Enclosure)
1.0-1.6 FLA	208/230/460 VAC	3914	3917
1.6-2.5 FLA	208/230/460 VAC	3900	3907
2.5-4.0 FLA	208/230/460 VAC	3901	3908
4.0-6.3 FLA	208/230/460 VAC	3902	3909
6.0-10.0 FLA	208/230/460 VAC	3903	3910
9.0-14.0 FLA	208/230/460 VAC	3904	3911
13.0-18.0 FLA	208/230/460 VAC	3905	3912
17.0-23.0 FLA	208/230/460 VAC	3906	3913
20.0-25.0 FLA	208/230/460 VAC	3915	3918
24.0-32.0 FLA	208/230/460 VAC	3916	3919

PANEL OPTIONS

For ALL Single and Three Phase Control Panels

- A - Event counter
- B - Elapsed timer meter
- D - Lockable latches
- F - Lightning protection
- J - Space to mount pump starter box(es) inside control panel (NEMA 4X only).
- K - Space to mount pump starter box(es) inside control panel (NEMA 4X only) and Alderon installs customer supplied starter box(es).
- L - Pump run auxiliary contacts (i.e., chemical feed).
- M - Motor Saver protection available, consult factory.
- S - Anti-condensation heater

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

3-Year Warranty

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CS1029A