



A3 SIMPLEX WASTEWATER CONTROL PANELS

SINGLE PHASE

Provides automatic or manual pump operation for single phase systems. Overload protection must be provided by the pump.

| Model No. | Horsepower | Amps | Volts |
|-----------|------------|----------|-------------|
| A3-2012 | 1/3-2 | up to 20 | 115/208/230 |
| A3-3512① | 3 and 5 | 20-36 | 208/230 |

① Use these panels only with pumps that have built-in capacitors and overloads.

- Single phase, 60 Hz
- NEMA 1, steel enclosure standard
- May be used on 1/3 through 5 HP pumps.
- Separate level control switch(es) required.
- Includes a through-door hand-off auto switch and pump run light.



**SINGLE PHASE
MAGNETIC CONTACTOR**

Enclosure Options - if options are required please order the panel as A3- ----SPL followed by the desired options listed in numeric order on your purchase order. If more than a few options are needed please complete and fax us a Panel Quote Request Form along with the engineer's (end user's) written specifications. It is usually less expensive to quote custom panels than to add several options to a standard panel.

**Fax requests to Technical Support
at (315) 568-7644**

OPTIONAL ENCLOSURES

| | Rating | Construction | Order No. |
|--------------------|---------|-------------------------|-----------|
| Simplex Enclosures | NEMA 3R | Steel, Hinged Door | 3110 |
| | NEMA 4 | Steel, Hinged Door | 3120 |
| | NEMA 4X | Fiberglass, Hinged Door | 3130 |
| | NEMA 12 | Steel, Hinged Door | 3140 |

NOTE: Enclosures listed above are dead-front type, all switches and indicator lights would be mounted inside of panel on permanent mounting bracket.

OPTIONS

| | Order No. |
|---|-----------|
| 1. Through door mounted H-O-A switch and run light. (Provides access without opening enclosure, standard on NEMA 1 panels.) A. NEMA 3 / 3R / 4 / 4X / 12 | 3200 |
| 2. Inner door (hinged) on dead-front panel. (Provides access to switches without hazard of entering actual panel.) | 3240 |
| 3. Locking hasp. (Adder for NEMA 1 panels, hasp is standard on all others.) | 3250 |

Wastewater

THREE PHASE

Provides automatic or manual pump operation, and three leg motor protection for three phase systems. Select panel by maximum amp draw and voltage.

| Model No. | Amp Range | Volts |
|-----------|-----------|-------|
| A32510 | 3-12 | All |
| A30918 | 5.5-22 | All |
| A31327 | 10-40 | All |

- Three phase, 60 Hz
- NEMA 1, steel enclosure standard
- Class 48, NEMA Rated Starter with ESP200 solid-state, Class 5, 10, 20, 30, adjustable overloads. The ESP200 solid-state, adjustable overload also provides protection against phase-loss or single-phasing, and phase on balance.
- Through-door hand-off-auto switch and pump run light
- 115V transformer for pilot circuit

Heaters are no longer required.



**THREE PHASE
MAGNETIC STARTER**



POWER EQUIPMENT

| | Order No. |
|---|-----------|
| Main and control circuit breakers (Standard simplex panels do not contain breakers.) | |
| Single phase, 115/230 V | 3600 |
| Three phase, 208/230 V | 3610 |
| Three phase, 460/575 V | 3620 |

* Consult factory for options not listed.

ALARM CIRCUITS

| | Order No. | |
|--|---------------------|------|
| 1. High-level alarm circuit. (Provides alarm circuit in simplex panel. Choose alarm device to complete the system.) | 3300 | |
| 2. Guaranteed pump submergence circuit with low level alarm. (Overrides manual and automatic operation of pumps) | 3320 | |
| 3. Extra set of dry contacts. (Used for signal of remote alarm device.) | Call Factory | |
| 4. Seal failure circuit with indicator light. (Monitors moisture sensor on dual seal pumps.) A. Circuit built in A3 panel | 3350 | |
| B. Circuit in separate NEMA 3/3R enclosure. (Used in conjunction with existing panel.) | A4-3 | |
| 5. Low voltage, phase loss and reversal circuit. (Three phase only, stops pumps and closes non-powered contacts.) | 208-230 V operation | 3360 |
| | 460 V operation | 3370 |
| 6. Simplex Mini CAS, seal fail and high temp. (control and status) circuit for 1GA, 2GA and 15GDS/GXS or 20GDS/GXS | 3805 | |

ALARM DEVICES

Can be added to simplex or duplex controllers. Requires option 3300.

| Order No. | | |
|--|-------------------|------|
| 4" bell (90 db @ 10 Ft.) | NEMA 1 | 6400 |
| | NEMA 3R/4/4X/12 | 6420 |
| Horn (101 db @ 10 Ft.) | NEMA 3R/4/4X/12 | 6450 |
| Flashing red light Lexan | NEMA 1/3R/4/4X/12 | 6480 |
| 8. Remote alarm panel (includes: 4" bell silencer switch, and indicator light; rated NEMA 3/3R). A. Alarm requiring separate power 115 V power supply. (Signaled by dry contacts in main panel. Requires 3340.) | | 6500 |
| B. Alarm to be powered by main panel. (Signaled by powered contacts in main panel. Requires 3330.) | | 6510 |
| Remote alarm light in separate NEMA1 enclosure (requires 115 V supply). | | 6515 |

NOTE: When ordering alarm devices, please note desired voltage and mounting location; top, side, front, etc.

ADDITIONAL ACCESSORIES

| | Order No. |
|---|---|
| 1. Condensation heater - 115 V | 3710 |
| 2. Elapsed time meter. (Mounted inside cabinet indicates pump run time.) | 3740 |
| 3. Cycle counter. (Mounted inside cabinet indicates number of pump starts.) | 3750 |
| 4. Intrinsically safe controls. (One required for each float.) | 3760 |
| 5. Test push buttons. (Overrides float switches to simulate operation of level controls.) A. NEMA 1 | 3770 |
| | B. NEMA 3/3R/4 |
| 6. Lightning arrestor Single phase | 3781 |
| | Three phase |
| 7. Convenience outlet (115 V GFI) with circuit breaker protection, mounted internally, choose according to power supply (phase). Single phase panels | 3783 |
| | Three phase panels 15 amp includes 1.5 KVA transformer |



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