

*U.L. listed full voltage combination motor controller with built-in pressure switch. Designed to automatically start and stop pump-motor assemblies ranging from 1/3 to 30 horsepower. They are typically used to maintain water pressures in closed systems.*



### Standard Features

- NEMA 2 rated enclosure with a drip lip
- Line fuses provided on all phases
- 300 psi pressure switch with 10 psi fixed differential
- External brass pressure connection
- Machine gray finish

### Optional Features

- 1 - CONTROL POWER TRANSFORMER** - reduces control voltage to 120VAC. Must be ordered on all controllers rated over 480VAC.
- 2 - MINIMUM RUN TIMER** - provides a 0-3 minute adjustable timer to prevent short cycling.
- 3 - SPARE LINE FUSES** - provides an extra set of line fuses. One additional fuse for each phase.
- 4 - RESTART TIME DELAY** - provides a 0-3 minute adjustable timer to prevent immediate restarting after shutdown.

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### Modification Codes

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| <b>A1</b> - One N.O. and one N.C. pump running contact                             | <b>L2</b> - Power On pilot light  |
| <b>A2</b> - Two N.O. and two N.C. pump running contacts                            | <b>C1</b> - Circuit breaker in place of fusible disconnect (AIC: 18,000 @ 200-240VAC, 14,000 @ 440-600VAC). |
| <b>A3</b> - One N.O. and one N.C. power failure contact                            | <b>H2</b> - Space heater with thermostat  |
| <b>A4</b> - Two N.O. and two N.C. power failure contacts                           | <b>H3</b> - Space heater with humidistat  |
| <b>E12</b> - NEMA 12 dusttight, driptight enclosure                                | <b>M1</b> - Run time meter  |
| <b>E3R</b> - NEMA 3R raintight weatherproof enclosure                              | <b>M2</b> - Operation counter   |
| <b>E4</b> - NEMA 4 watertight enclosure  | <b>NY</b> - New York City approvals   |
| <b>E4XA</b> - NEMA 4X corrosion resistant coating, watertight enclosure            | <b>S1</b> - Service entrance rating   |
| <b>E4XB</b> - NEMA 4X corrosion resistant 304 Stainless Steel watertight enclosure | <b>W1</b> - 316 stainless steel pressurized wet parts   |
| <b>F1</b> - Failure to start contacts  | <b>W7</b> - 500 psi pressurized wet parts   |
| <b>L1</b> - Pump Running pilot light   |   |

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### Ordering and Shipping Information

When ordering a MASTER pump motor controller, be sure to specify the following to ensure prompt order entry and delivery: Complete model number, Motor horsepower, Single or three phase voltage, Motor rated voltage and frequency, Motor full load current, Motor Service Factor, Motor RPM (if possible), Controller options, and Special modifications.

Shipping carton measures 28 inches (71.1 cm) x 18 inches (45.7 cm) x 12 inches (30.5 cm) and the average packed controller weighs 40 pounds (18.2 kg)