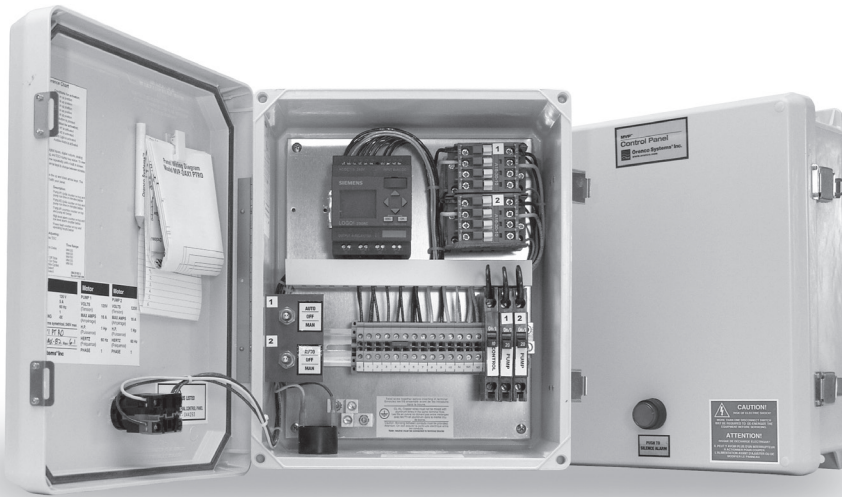


# MVP-Duplex Control Panel

## Applications

The MVP-Duplex control panel has a dual-mode feature, making it ideal for both timed- and demand-dosing in two-pump alternating systems for onsite wastewater and water treatment systems. All MVPs include an easy-to-use, programmable logic unit that incorporates many timing and logic functions, such as multiple timing intervals to adjust for changing flow conditions and built-in elapsed time meters and cycle counters.



*Easy to set, accurate, and surprisingly affordable, the MVP brings intelligent control technology to the water and wastewater handling industries.*

## Standard Features & Benefits

- Eight inputs and four outputs accommodate varying flow conditions
- Simple setting instructions are easy to remember; parameters have understandable abbreviations
- Large, backlit LCD display is easy to read
- Intervals as long as 99 hours can be set with an accuracy of  $\pm 1\%$
- Programmable for timed or on-demand dosing
- For timed dosing, multiple timer intervals (normal timer, override timer) can be set to
- Built-in programming keys allow reprogramming in the field without a portable computer
- Ability to use one model of float for all functions simplifies installation
- UL 508 listed in US and Canada
- Complete instructions and diagrams come with panel and are affixed to the inside, for in-field reference
- Three-year limited warranty

## Standard Features for System Maintenance

- Totalized and resettable data for:
  - Elapsed pump run times
  - Pump cycle counts
  - Low- and high-level alarms
  - Overrides (timed-dose mode only)
  - Power failures
- Different alarm/light signals for different alarm conditions; alarm screen activates when an alarm condition occurs and the alarm type, start time, and date are reported automatically
- Redundant off feature as standard
- Automatic reactivation of silenced alarm (when problem is not corrected) prevents system failure
- 120 V output for remote alarm activation as standard
- Float status screen with error notification and float position indication
- Timed delays on float inputs prevent chattering and pump burnout

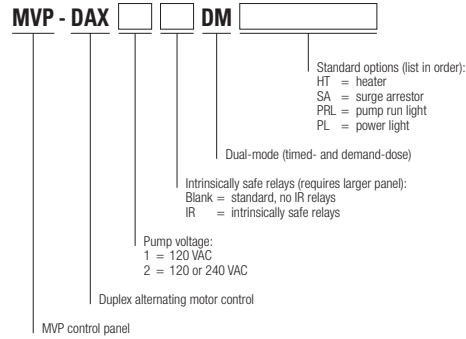
## To Order

Call your nearest Orenco Systems®, Inc. Distributor. For nearest Distributor, call Orenco at 800-348-9843, or visit [www.orenco.com](http://www.orenco.com) and click on "Distributor Locator."

### Optional Features & Benefits

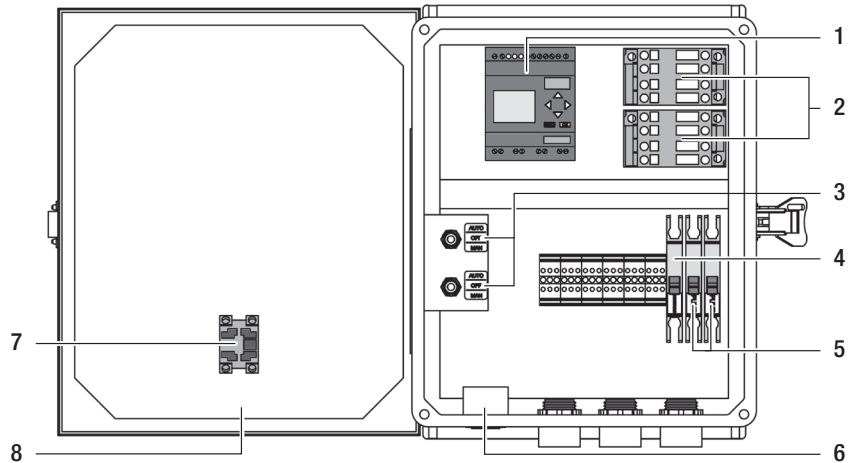
- Removable EEPROM card for reprogramming the panel in the shop or in the field
- UL698A (Intrinsically Safe listing) for use in hazardous locations
- Current sensor to detect pump failures in multiple-pump systems
- Self-regulating anti-condensation heater (which radiates additional wattage as temperature drops)
- Pump run light to indicate that the pump is currently activated
- Power light to indicate that the control panel is energized
- Surge arrester to reduce problems caused by power surges and spikes

### Model Code for Ordering



### Standard Models

MVP-DAX1DM, MVP-DAX2DM



- |                             |                          |
|-----------------------------|--------------------------|
| 1. Programmable Logic Unit  | 5. Pump Circuit Breakers |
| 2. Motor-Start Contactors   | 6. Audio Alarm           |
| 3. Toggle Switch            | 7. Visual Alarm          |
| 4. Controls Circuit Breaker | 8. Panel Enclosure       |

