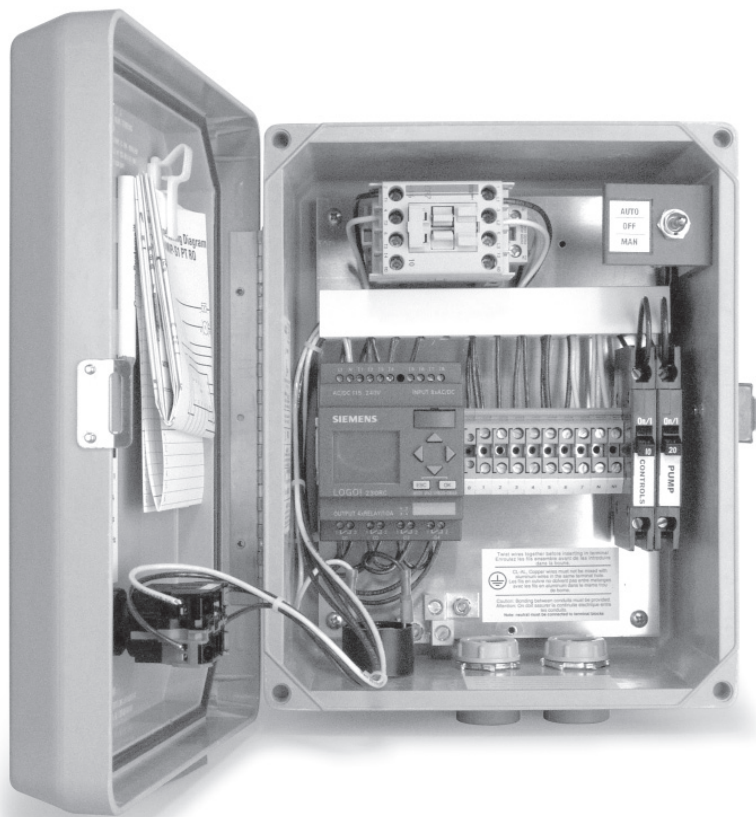


# MVP-Simplex Control Panel

## Applications

The MVP-Simplex control panel is ideal for timed and on-demand dosing in single-pump 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 a built-in elapsed time meter and counter. Any water or wastewater system that requires a timer would benefit from the MVP's accuracy and versatility.



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

## To Order

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

APS-CP-MVP-1  
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Orenco Systems<sup>®</sup>, Inc.



Orenco Systems<sup>®</sup>  
Incorporated

*Changing the Way the  
World Does Wastewater<sup>®</sup>*

800-348-9843  
[www.orenco.com](http://www.orenco.com)

## Standard Features & Benefits

- Eight inputs and four outputs
- Intervals as long as 99 hours can be set with an accuracy of  $\pm 1\%$
- Simple setting instructions are easy to remember
- Built-in programming keys allow reprogramming in the field without a portable computer
- Parameters have understandable abbreviations
- Multiple timer intervals (e.g., normal timer, override timer) can be set to accommodate varying flow conditions
- High-level alarm delay is adjustable
- When an alarm condition is reached, a minimum number of override cycles can be set to allow tank levels to drop, thus eliminating nuisance alarms
- Large, backlit LCD display is easy to read
- Ability to use one model of float for all functions simplifies installation
- UL 508 listed in the United States and Canada
- Complete instructions and diagrams come with panel and are affixed to the inside, for reference in the field
- Three-year limited warranty

## Standard Features for System Maintenance

- Visual cues (indicators of float position and different alarm/light signals for varying alarm conditions) aid system maintenance
  - Built-in counters for low-level alarms, high-level alarms, overrides (on panels with timer), and power failures. Records total hours in service. These features provide valuable information for system maintenance and troubleshooting
  - Timed delays on float inputs prevent chattering and pump burnout
  - Automatic reactivation of silenced alarm (when problem is not corrected) helps prevent system failure
- (Optional features on back.)*

## 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
- Self-regulating anticondensation heater (radiates additional wattage as temperature drops)
- Current sensor to signal pump failures; ideal for recirculating filters
- Pump run light to indicate pumping activity

## Standard Models

MVP-S1 PTR0, MVP-S2 PTR0  
MVP-S1 RO, MVP-S2 RO

## Model Code for Ordering

MVP-S

Simplex series  
MVP control panel

Options (should appear in the following order):

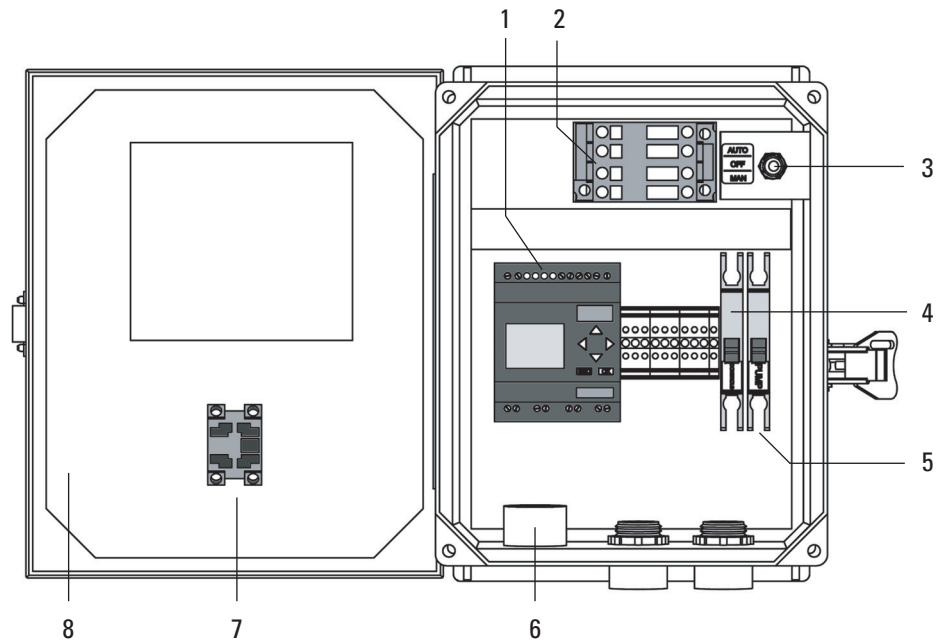
- IR = intrinsically safe relay
- PT = programmable timer
- RO = redundant off
- CS = current sensor
- DS = disconnect switch
- RA = remote alarm (dry contact)
- TS = test switch
- HT = heater
- PRL = pump run light
- PL = power light
- SA = surge arrestor

Pump voltage:\*

- 1 = 115 VAC
- 2 = 230 VAC

\* All panels require 115 VAC for the controls

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



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