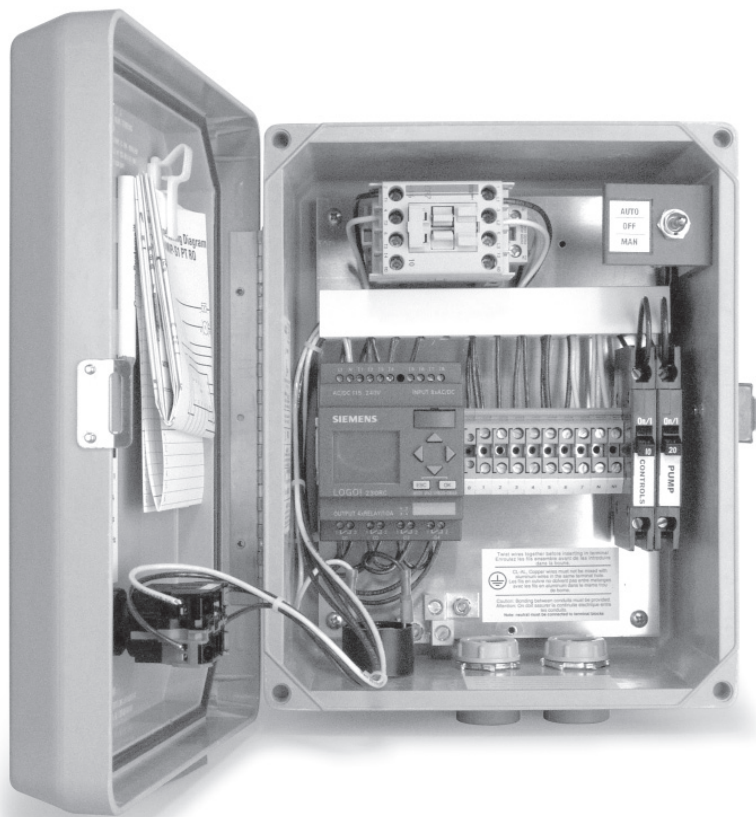# MVP-Simplex Control Panel

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® , Inc. distributor. For nearest distributor, call Orenco at 800-348-9843, or go to www.orenco.com and click on "Distributor Locator."

Standard Features & Benefits

- Eight inputs and four outputs
- Intervals as long as 99 hours can be set with an accuracy of ±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.)
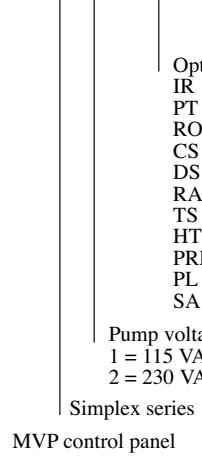
Optional Features & Benefits

- 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 PTRO, MVP-S2 PTRO
MVP-S1 RO, MVP-S2 RO

Model Code for Ordering

MVP - S ☐ ☐☐☐

Options (should appear in the following order):
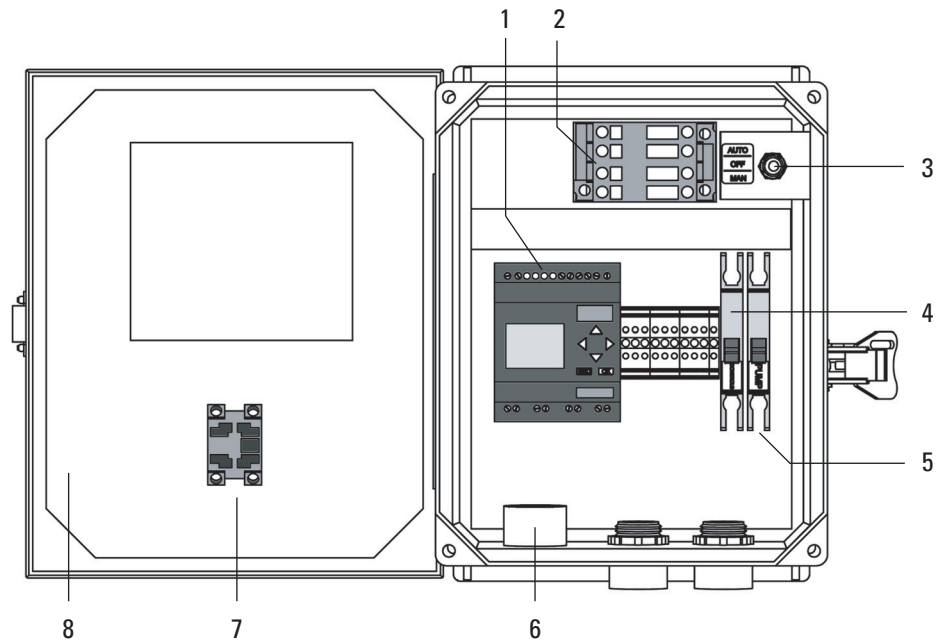|		
IR	=	intrinsically safe relay
PT	=	programmable timer
RO	=	redundant off
CS	=	current sensor
DS	=	disconnect switch
RA	=	remote alarm (dry contact)
TS	=	test switch
HT	=	heater
PRL	=	pump run light
PL	=	power light
SA	=	surge arrestor

Pump voltage:*
1 = 115 VAC
2 = 230 VAC

Simplex series

MVP control panel

* All panels require 115 VAC for the controls

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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

Distributed By: