

Standard Control Panel Kits

Applications

Orenco® Standard Panel Kits are ideal for electromechanical control of a single pump in on-demand septic systems. Standard Control Panel Kits include the following:

- Orenco® S-series control panel
- Signal-rated float switches
- Float collars

The panel features a durable motor controller, which increases system life by reducing the load requirements on the float switches.

The float switches are signal-rated and color-coded for easy installation.

The float collars quickly secure floats to a 1-inch-diameter float stem (ordered separately).



Orenco's Standard Panel Kits are a high-quality but affordable solution for on-demand pumping in water and wastewater applications.

Standard Features & Benefits

- Complete package including panel, floats and collars
- Single pump controls
- UV-resistant fiberglass panel enclosure
- Touch-safe terminals
- Resettable circuit breakers
- Durable motor contactors (2.5 million cycles at FLA)
- Audible and visual alarms
- "Push-to-silence" audible alarm relay
- Color-coded float switches
- UL 508 listed in the U.S. and Canada
- Complete documentation and technical support provided by Orenco
- Three-year limited warranty on control panel

Optional Features & Benefits

- Kits available with non-mercury floats for areas that require them
- Self-regulating, anti-condensation heater (radiates additional wattage as temperature drops)
- Electromechanical timer
- Redundant off relay them

To Order

Call your nearest Orenco Systems®, Inc. Distributor. For nearest Distributor, call Orenco at 800-348-9843, or visit www.orenco.com and click on "Where to Buy."

Specifications

Materials of Construction

Panel Enclosure	UV-resistant fiberglass, Type 4X
Panel Hinges	Stainless Steel
Float housing	Impact-resistant, noncorrosive PVC
Float cord	Flexible 2-conductor SJOW, water-resistant (CPE), neoprene coating
Float collar	ABS

Dimensions

Height, in. (mm)	11.5 (292)
Width, in. (mm)	9.5 (241)
Depth, in. (mm)	5.4 (137)

Performance

Panel ratings	120 V, 1 hp (0.75 kW), 16 A, single-phase, 60 Hz
Motor-start contactor	16 FLA, 1 hp (0.75 kW), 60 Hz; 2.5 million cycles at FLA (10 million at 50% of FLA)
Pump circuit breaker	120 V, 20 A, OFF/ON switch, single-pole breaker
Control circuit breaker	120 V, 10 A, OFF/ON switch, single-pole breaker
Toggle switch	20 A, Single-pole, double-throw HOA switch
Audible alarm	95 dB at 24 in. (610 mm), warble-tone, Type 4X
Visual alarm	7/8 in. (22 mm) red lens, "Push-to-silence," 120 V LED, Type 4X

Models*

S1-MFAB-Y,G-KIT

Panel	S panel
Power	120 VAC
Floats	High level alarm (yellow), pump on/off (green)

S1-MF3A-Y,B,R-KIT

Panel	S panel
Power	120 VAC
Floats	High level alarm (yellow), pump on (blue), pump off (red)

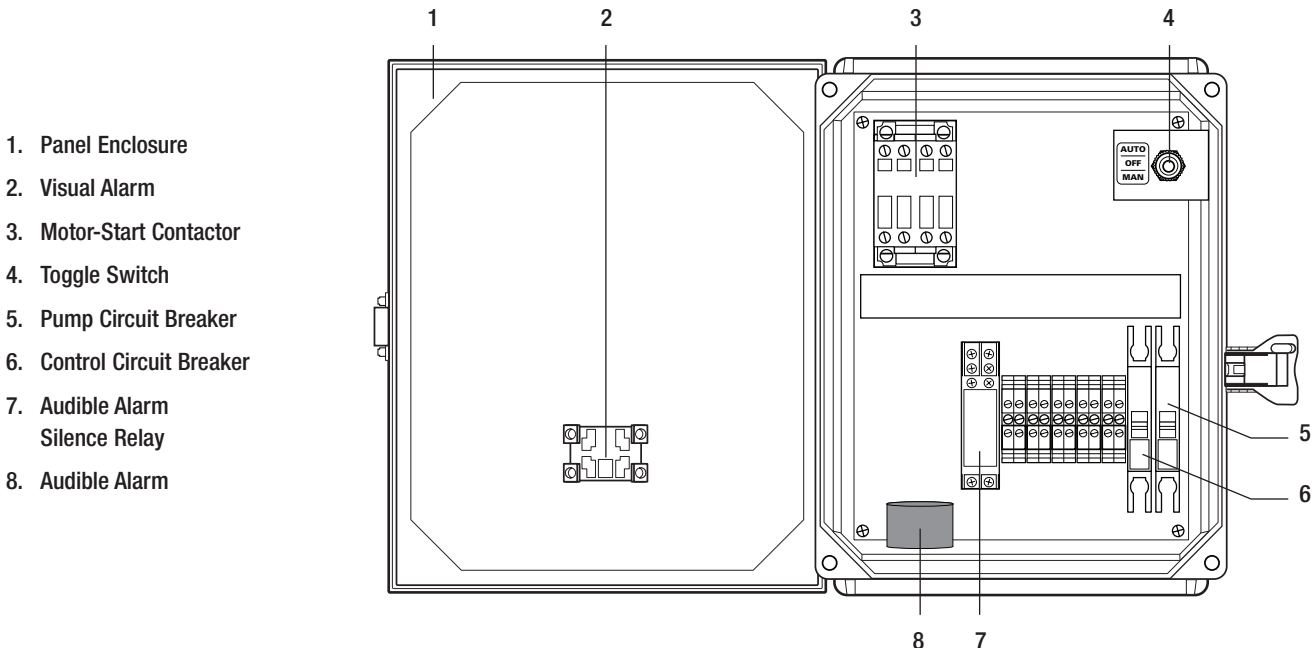
S1-MF3V-Y,B,R-KIT (Non-Mercury Floats)

Panel	S panel
Power	120 VAC
Floats	Non-mercury high level alarm (yellow), pump on (blue), pump off (red)

S1R0-MFABT-Y,G,W-KIT

Panel	S panel with redundant off
Power	120 VAC
Floats	High level alarm (yellow), pump on/off (green), redundant off (white)

* Additional models available - Contact your Distributor for more details



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