

Simplex Alarm Panels

Submittal
Data Sheet



Applications

Orenco Simplex Alarm Panels are used to control effluent pumps, alarms, and other equipment as specified in on-site septic systems.



General

Orenco Simplex Alarm Panels are specifically engineered for pressure sewer (STEP) systems, onsite septic treatment systems, and for pump control into conventional gravity systems. Standard features include circuit breakers, an automatic/manual/off toggle switch, and an audio/visual high water alarm with auto reset. Other standard features and options are listed on page 2. Orenco Panels are designed for use with mechanical and/or mercury float switches. Listed per UL 508; a UL-Canada listing is available.

Standard Models

A1, A2.

Nomenclature

A X XXXX

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└ Indicates options (see p.2).

Indicates voltage.

1 = 120 VAC.

2 = 240 VAC.

Specifications

Panel Enclosure: Measures 9.5" high x 7.3" wide x 5" deep. NEMA 4X rated. Constructed of UV resistant fiberglass; hinges and latch are stainless steel.

A1 Panel Ratings: 120 VAC, 1 hp, 16 Amps, single phase, 60 Hz.

A2 Panel Ratings: 240 VAC, 1 hp, 10 Amps, single phase, 60 Hz.

Simplex Alarm Panels (continued)

Standard Features

Feature	Specification(s)
Pump Circuit Breaker	20 amps, OFF/ON switch. Single pole 120 VAC, double pole 240 VAC. DIN rail mounting with thermal magnetic tripping characteristics.
Controls Circuit Breaker	10 amps, OFF/ON switch. Single pole 120 VAC. Din rail mounting with magnetic tripping characteristics
Toggle Switch	Single-pole, double-throw HOA switch. 20 amps, 1hp.
Audio Alarm	95 dB at 24", warble-tone sound.
Audio Alarm	120 VAC, automatic reset. DIN rail mount.
Silence Relay	
Visual Alarm	7/8" diameter red lens, "Push-to-silence." NEMA 4X, 1 watt bulb, 120 VAC.
Padlock Latch	Constructed of non-corrosive stainless steel.

Optional Features

Feature	Specification(s)	Product Code Adder
Redundant Off Relay	120 VAC, 25 amps, automatic reset, provides low level alarm capability.	RO
Elapsed Time Meter	120 or 240 VAC (model-dependent), 7-digit, non-resettable. Limit of 99,999 hours; accurate to 0.01 hours.	ETM
Event Counter	120 or 240 VAC (model-dependent), 6-digit, non-resettable.	CT
Heater	Anti-condensation heater. Self-adjusting; radiates additional wattage as temperature drops.	HT