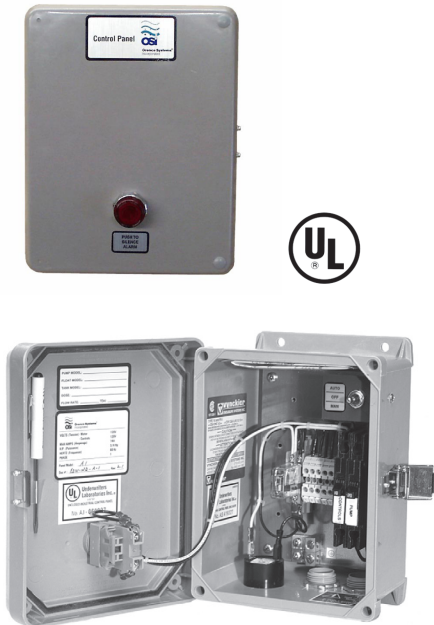


A-Series Simplex Alarm Panels

Applications

A-Series Simplex Alarm Panels are used to control pump motors and alarm functions in simplex pumping systems. They are intended as a low-cost option for pump controls into gravity or pressurized drain-fields or for Effluent Sewers (aka STEP sewers or Septic Tank Effluent Pumping Systems), especially where cost is the critical factor.



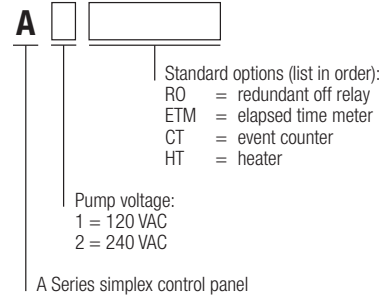
General

Standard features for A-Series Simplex Alarm Panels include circuit breakers, an automatic/manual/off toggle switch, and an audible/visible 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.

Product Code Diagram



Materials of Construction

Component	Material
Enclosure	UV-resistant fiberglass, Type 4X (IP 66)
Hinge	Stainless steel
Latch	Stainless steel

Specifications

Height, in. (mm)	9.5 (241)
Width, in. (mm)	7.3 (185)
Depth, in. (mm)	5.0 (127)
A1 panel ratings	120 VAC, 1 hp (0.75 kW), 16 A, 1-phase, 60 Hz
A2 panel ratings	240 VAC, 1 hp (0.75 kW), 10 A, 1-phase, 60 Hz

Standard Features

Feature	Specifications*
Controls Circuit Breaker	10 A, OFF/ON switch, single pole, DIN rail mounting with thermal magnetic tripping characteristics
Pump Circuit Breaker	20 A, OFF/ON switch, single pole (120 VAC) or double pole (240 VAC), DIN rail mounting with thermal magnetic tripping characteristics
Auto/Off/Man toggle switch	Single-pole, double-throw HOA switch
Audible alarm	95 dB at 24 in. (610 mm), warble-tone sound; gasketed, UL Type 4X (IP66)
Audible alarm silence relay	Automatic reset, DIN rail mount
Visible alarms	7/8-in. (22-mm) diameter red lens, "Push-to-silence," UL Type 4X (IP66), 1 W bulb, 120 VAC

Optional Features

Feature	Specifications*	Product Code Adder
Redundant off relay(s)	DIN rail mount; provides a secondary off; sounds alarm upon low level condition	RO
Elapsed time meter(s)	120 or 240 VAC (model-dependent), 7-digit, non-resettable; limit of 99,999 hours; accurate to 0.01 hours	ETM
Event counter(s)	120 or 240 VAC (model-dependent), 6-digit, non-resettable	CT
Heater	Anti-condensation heater; self-adjusting; radiates additional wattage as temperature drops	HT

* all voltages are 120 VAC unless otherwise noted