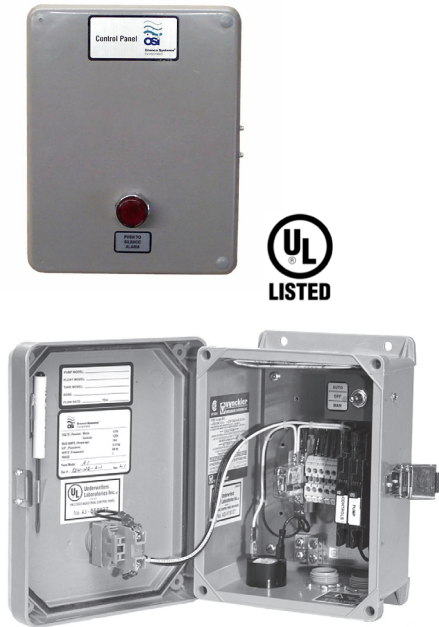


A-Series Simplex Alarm Panels

Applications

Orenco A-Series Simplex Alarm Panels are used to control pump motors and alarm functions in simplex (one motor/pump) pumping systems. They are intended as a low-cost option for pump controls for gravity or pressurized drainfields. Motor-rated float switches are ordered separately.



A-Series simplex alarm panel

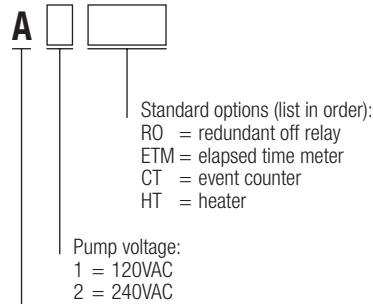
General

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. See [Standard Features](#) and [Optional Features 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



A-Series simplex control panel

Not all product code configurations may be available as standard products.

Materials of Construction

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	120VAC, 1hp (0.75kW), 16A, single-phase, 60Hz
A2 panel ratings	240VAC, 1hp (0.75kW), 10A, single-phase, 60Hz

Standard Features

Feature	Specifications*
Audible alarm	95dB at 24in (610mm), warble-tone sound; gasketed, UL Type 4X (IP 66)
Audible alarm silence relay	Automatic reset, DIN rail mount
Auto/Off/Man toggle switch	Single-pole, double-throw HOA switch
Controls circuit breaker	10A, OFF/ON switch, single-pole, DIN rail mounting with thermal magnetic tripping characteristics
Pump circuit breaker	20A, OFF/ON switch, single-pole (120VAC) or double-pole (240VAC), DIN rail mounting with thermal magnetic tripping
Visible alarms	7/8in (22mm) diameter red lens, "Push-to-silence," UL Type 4X (IP 66), 1W bulb

Optional Features

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

**All voltages are 120VAC unless otherwise noted.*