

Switch-Pro™ AX13

with Compact Level Controller



Application

Intended for side wall installation, the general purpose level switch package provides reliable liquid level detection with a 16A compact level controller for pump or valve control. The optional flash alarm brings attention to alarm conditions. Offered in two level sensor technologies, select the type and material based upon your application media. This liquid level switch package is widely applied in bulk storage and process tank level applications for high level control or low level control.



Features

- Fail-safe relay control of pumps or valves with adjustable time delay (0 to 60 seconds)
- Offered in two sensor technologies for broad application coverage: ultrasonic & vibration
- Polypropylene enclosure rated NEMA 4X with swivel base for conduit alignment
- Rugged polypropylene, Ryton® or PFA sensor for corrosive liquid applications
- Optional strobe brings immediate attention to level alarm conditions
- Invert switch changes relay state from NO to NC without rewiring



AV13-1120 Shown



Key Benefits

- Ideal for side wall tank mounting
- Relay output interfaces directly with valves, buzzers, alarms, etc.
- Great for corrosive or coating liquids
- Add strobe for optional visual alarm

Sensor Technologies



LU10

SWITCH-TEK™

Ultrasonic Level Switch

Broadly applied in chemicals and light weight oils



LZ12

SWITCH-TEK™

Vibration Level Switch

Applied in wastewater with light coating or scaling

Switch-Pro™ AX13

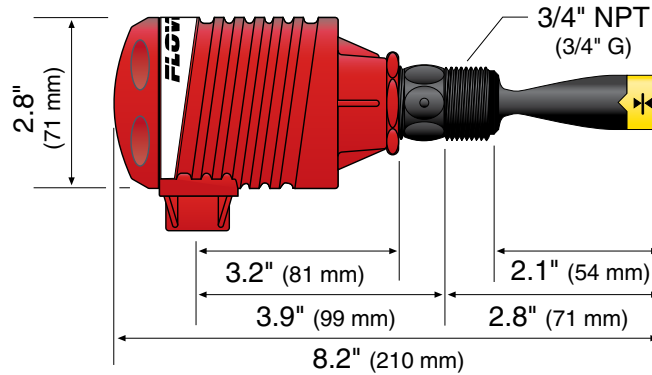
with Compact Level Controller



Specifications

Accuracy:	± 1mm in water
Repeatability:	± 0.5mm in water
LED indication:	Power, relay & sensor
Supply voltage:	120 / 240 VAC @ 50-60 Hz
Consumption:	0.25A maximum
Strobe type:	-X12X: N/A -X11X: Xenon tube
Strobe flash:	-X12X: N/A -X11X: 1 per second
Contact type:	(1) SPDT relay
Contact rating:	250 VAC @ 16A
Contact output:	Selectable NO / NC
Contact delay:	0.15 - 60 seconds
Process temp.:	F: -40° to 176° C: -40° to 80°
Ambient temp.:	F: -40° to 140° C: -40° to 60°
Pressure:	150 psi (10 bar) @ 25°C, derated @ 1.667 psi (0.113 bar) per °C above 25°C
Enclosure rating:	NEMA 4X (IP65)
Enclosure mat.:	-X11X: PP, UL94VO & PC -X12X: PP, UL94VO
Conduit entrance:	1/2" NPT
Wetted material:	AZ13-11XX: Ryton AU13-11XX: PP AU13-21XX: PFA
Process mount:	3/4" NPT (3/4" G)
Mount gasket:	Viton®
Classification:	General purpose
Compliance:	CE

Dimensions



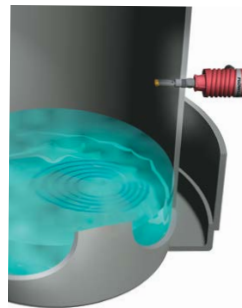
Accessories



STROBE ALERT

The controller with Strobe Alert configuration flashes when the relay is energized during a high or low level alarm condition.

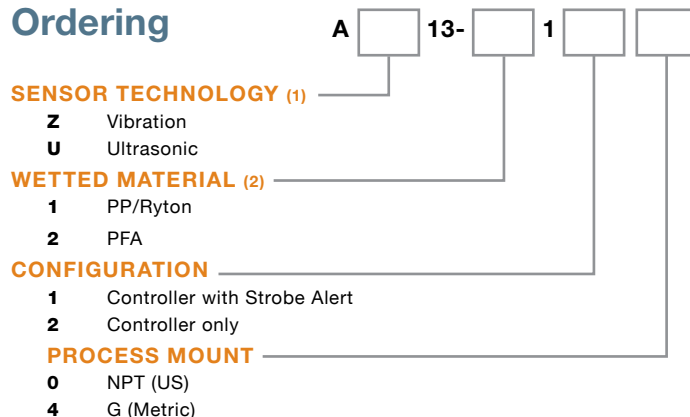
Installation



SIDE WALL INSTALLATION

The Switch-Pro AX13 series is designed for installation through the side wall of the tank. The sensor can be used as a high or low level alarm as well as overflow protection or low level pump protection. Use a tank adapter to make installation quick and simple.

Ordering



NOTES

- 1) Select the best level sensor technology based upon your application.
- 2) PFA is available in ultrasonic configuration only