

# Switch-Pro™ AX18

with Compact Junction Box



## Application

Intended for side wall installation, the general purpose level switch package provides reliable liquid level detection with one 60VA relay and a compact junction box for integral wiring termination. Available 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 as a high level alarm or low level alarm.

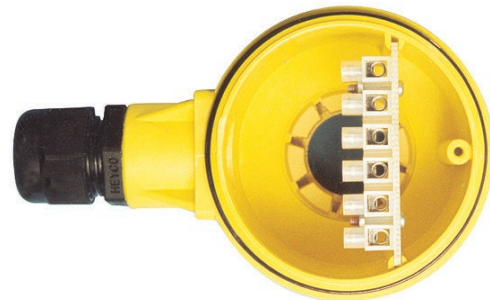


## Features

- Rugged Polypropylene, Ryton® or PFA sensor for corrosive liquid applications
- 60VA relay selectable NO or NC via power supply wiring polarity
- Polypropylene enclosure rated NEMA 4X with swivel base for conduit alignment
- Offered in two sensor technologies for broad application coverage: ultrasonic & vibration



AZ18-1130 Shown



## Key Benefits

- Ideal for side wall tank mounting
- Relay output interfaces directly with PLC or controller input
- Great for corrosive or coating liquids

## 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™ AX18

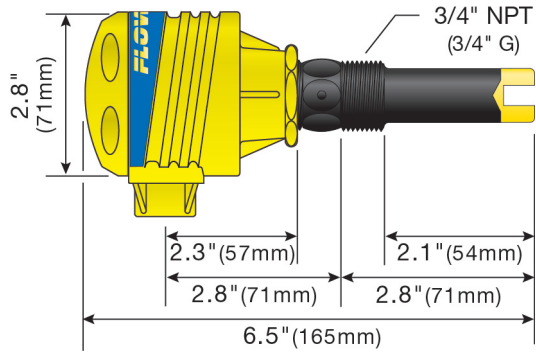
with Compact Junction Box



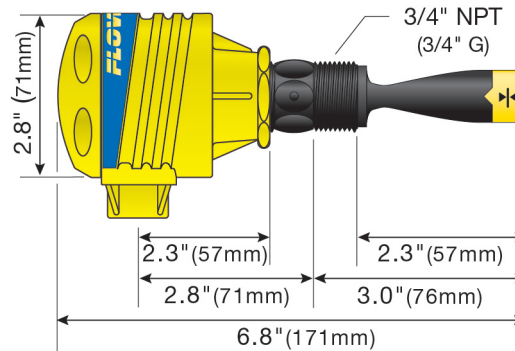
## Specifications

<b>Accuracy:</b>	± 1mm in water
<b>Repeatability:</b>	± 0.5mm in water
<b>Supply voltage:</b>	AZ18: 12-30 VDC AU18: 12-36 VDC
<b>Consumption:</b>	0.25A maximum
<b>Contact type:</b>	(1) SPST relay
<b>Contact rating:</b>	60VA, 1A max.
<b>Contact output:</b>	Selectable NO / NC
<b>Process temp.:</b>	F: -40° to 176° C: -40° to 80°
<b>Ambient temp.:</b>	F: -40° to 140° C: -40° to 60°
<b>Pressure:</b>	150 psi (10 bar) @ 25°C, derated @ 1.667 psi (0.113 bar) per °C above 25°C
<b>Enclosure rating:</b>	NEMA 4X (IP65)
<b>Enclosure mat.:</b>	PP, UL94VO
<b>Terminal strip</b>	6-pole, socket
<b>Conduit entrance:</b>	1/2" NPT
<b>Wetted material:</b>	AZ18-113X: Ryton AU18-113X: PP AU18-213X: PFA
<b>Process mount:</b>	3/4" NPT (3/4" G)
<b>Mount gasket:</b>	Viton®
<b>Classification:</b>	General purpose
<b>Compliance:</b>	CE

## Dimensions

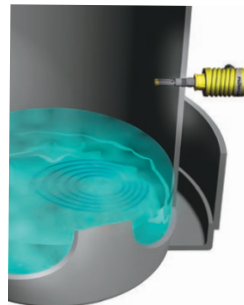


AU18-1130 &  
AU18-2130 series



AZ18-1130 series

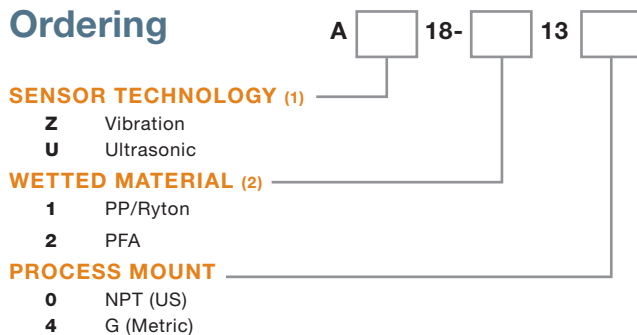
## Installation



### 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