

Switch-Pro™ with Compact Junction Box

Application

Installed through the side wall and offered in CSA approved intrinsically safe or general purpose configurations, this high or low level switch package includes a 1A relay for remote PLC, SCADA or alarm interface. The product is typically selected for bulk storage, day tank and process vessel applications. Specify the appropriate sensor technology and material.

Features

- Corrosive single-point level detection with contact for PLC or control input
- PP, Ryton® or PFA wetted material for challenging corrosive liquids
- Offered in 2 sensing technologies for broad application coverage
- PP enclosure rated NEMA 4X with 300° conduit swivel base

Tech Tip

For process automation with pumps, valves and alarms, package your level switch with our remote relay controllers.



AZ18-1130
Shown

Sensor Technology

Ultrasonic
Broadly applied in chemical, solvent, hydrocarbon and light weight oil media

Vibration
Typically applied in wastewater media with light coating and/or foaming characteristics

Specifications

Orientation:	± 20° horizontal
Process temp:	F: -40° to 176° C: -40° to 80°
Pressure:	150 psi (10 bar)
Wetted material:	AU1_: PP/PFA AZ1_: Ryton®
Conduit entrance:	1/2" NPT
Process mount:	2" NPT (2" G)
Supply voltage:	12-36 VDC
Contact type:	(1) SPST relay
Contact rating:	GP: 60 VA IS: 32 VDC @ 0.5A
Classification:	Intrinsically safe
Supply voltage:	12-30 VDC
Contact type:	(1) SPST relay
Contact rating:	60 VA
Classification:	General purpose



Ultrasonic
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Vibration
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Sensor technology (1)

- Z Vibration
- U Ultrasonic
- V Buoyancy

Contacts / classification (2)

- 5 SPST relay / IS
- 6 SPDT reed / GP
- 8 SPST relay / GP

Wetted material (3)

- 4 PP
- 5 PVDF

Process mount (4) (5)

- 3 2" NPT (US)
- 7 1 1/2" G (Metric)

Dimensions (6)

- A Specify (PP)
(PVDF)

Ordering Notes

- 1) Select the best sensor technology based upon your application.
- 2) The following are the available contacts for each sensor technology:
Ultrasonic: 5 type only
Vibration: 8 type only
Buoyancy: 6 type only
- 3) The following are the available wetted materials for each sensor technology:
Ultrasonic: 4 and 5 type
Vibration: 4 type only
Buoyancy: 4 and 5 type
- 4) The straight G thread version seals with an included Viton® mounting gasket.
- 5) For installation on open tanks, order the LM50-1001 (2" NPT) or LM50-1061 (2" G) side mount bracket.
- 6) Specify the A-dimension at the end of the part number (ie: AV16-4243-17"). The A-dimension may be specified in 1/2" (1.3 cm) increments from 6" to 10' (15 cm to 3m).

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