

Switch-Pak™ with Compact Junction Box

Application

Offered in CSA and Cenelec approved intrinsically safe or general purpose configurations, this high level spill prevention switch package provides a fixed level switch point with a 1A relay or dry contact closure interface for remote devices such as a PLC, SCADA or alarm. The product is typically selected for pressurized and/or highly corrosive bulk storage, day tank and waste sump applications. Specify the appropriate sensor technology, material and assembly dimension.

Features

- Corrosive single-point level detection with contact for PLC or control input
- PP or PVDF construction for use in challenging corrosive environments
- Offered in 3 sensing technologies for broad application coverage
- PP enclosure rated NEMA 4X with 300° conduit swivel base
- Available in intrinsically safe and general purpose configurations

Tech Tip

Sensor Technology



AU15-4243
Shown

AV16-5243
Shown

Specifications

Length:	8" to 10' (20cm to 3m)
Switch points:	1 (set by factory)
Process temp:	F: -40° to 176° C: -40° to 80°
Pressure:	150 psi (10 bar)
Wetted material:	PP / PVDF
Conduit entrance:	1/2" NPT
Enclosure rating:	NEMA 4X (IP65)
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
Contact type:	(1) SPDT reed
Contact rating:	15 VA
Classification:	General purpose

For process automation with pumps, valves and alarms, package your level switch assembly with our remote relay controllers offered in a 35 mm DIN package.



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

Buoyancy
Best applied in clean water or water-like chemical media that is non-coating or scaling



Order

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<p>Sensor technology (1) Z Vibration U Ultrasonic V Buoyancy</p> <p>Contacts / classification (2) 5 SPST relay / IS 6 SPDT reed / GP 8 SPST relay / GP</p> <p>Wetted material (3) 4 PP 5 PVDF</p> <p>Process mount (4) (5) 3 2" NPT (US) 7 1 1/2" G (Metric)</p> <p>Dimensions (6) A Specify (PP) (PVDF)</p>	<p>Ordering Notes</p> <p>1) Select the best sensor technology based upon your application.</p> <p>2) The following are the available contacts for each sensor technology: Ultrasonic: 5 type only Vibration: 8 type only Buoyancy: 6 type only</p> <p>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</p> <p>4) The straight G thread version seals with an included Viton® mounting gasket.</p> <p>5) For installation on open tanks, order the LM50-1001 (2" NPT) or LM50-1061 (2" G) side mount bracket.</p> <p>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).</p>
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