

Float-Point™ with Compact Junction Box

Application

Offered in FM and CSA approved explosion proof or general purpose configurations, this switch package provides up to four level switch points with a dry contact closure interface for remote devices such as a PLC or SCADA. The product is typically selected for high temperature and/or pressure process vessel applications located within a classified hazardous or general purpose area. Media examples include nickel acid or fuel oil. Specify the appropriate assembly dimensions

Features

- High temp-pressure multi-point level detection with contacts for PLC input
- Rugged 316 stainless steel float, guide and 2" NPT mounting plug
- Offered with aluminum NEMA 7 or PP NEMA 4X enclosures
- Custom assembled to your exact guide length and float dimensions



Specifications

Length:	4" to 6' (10cm to 1.8m)
Switch points:	1-4 (set by factory)
Contact type:	(1-4) SPDT reed
Contact rating:	20 VA
Process temp.:	F: -40° to 300° C: -40° to 148.9°
Pressure:	750 psi (51.7 bar)
Guide/float matl.:	316 ss
Exposure rating:	S443: NEMA 4X (IP65) S453: NEMA 7
Encl. material:	S443: PP, UL94VO SS453: Aluminum
Conduit entrance:	1/2" NPT
Process mount:	2" NPT (2" G)
Classification:	S443: General purpose S453: Explosion proof



Tech Tip

The general purpose compact junction box is constructed of UL approved fire retardant PP and comes pre-wired with a 12-pole terminal strip. The FM and CSA approved explosion proof configuration is provided with a cast aluminum enclosure for use in Class I, Division I, Groups B, C & D; Class II, Groups E, F and G hazardous area applications.

Order

A -434 - - - - - -

Sensor technology (1)

- Z Vibration
- U Ultrasonic
- V Buoyancy

Number of sensors (2)

- 1 One sensor - add 1 x ST
- 2 Two sensors - add 2 x ST
- 3 Three sensors - add 3 x ST
- 4 Four sensors - add 4 x ST

Contacts / classification (3)

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

Process mount

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

Dimensions (4) (5) (6) (7)

- A Specify
- B Specify
- C Specify (if applicable)
- D Specify (if applicable)
- E Specify (if applicable)

Ordering Notes

- 1) Select the best sensor technology based upon your application.
- 2) Multiply the number of sensors by the selected sensor technology adder.
- 3) The following are the available contacts for each sensor technology:
Ultrasonic: 5 type only
Vibration: 8 type only
Buoyancy: 6 type only
- 4) Specify the applicable A, B, C, D, and E dimensions at the end of the part number based upon the number of sensors in your assembly (ie: AZ28-4343-87"-76"-17"):
1-sensor: Specify A and B
2-sensors: Specify A, B and C
3-sensors: Specify A, B, C and D
4-sensors: Specify A, B, C, D and E
- 5) The dimensions may be specified in 1/2" (1.3 cm) increments.
- 6) The track length or A-dimension may be specified from 8" to 10' (20 cm to 3m). The sensor or B, C, D, and E dimensions may be specified from 4" to 10' (10 cm to 3m).
- 7) For maximum field adjustability, specify all sensor dimensions equal to the A-dimension.

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