Spec-Tech Industrial Electric

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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

AV26-S443
Shown

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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