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## Smart Trak™ with Compact Junction Box

### Application

Offered in CSA approved intrinsically safe or general purpose configurations, this switch package provides up to four adjustable level switch points 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 atmospheric day tank, process vessel and waste sump applications. Specify the appropriate sensor technology and assembly dimensions

### Features

- Corrosive multi-point level detection with contacts for PLC or control input
- Offered in 3 sensing technologies for broad



### Specifications

Length:	8" to 10' (20cm to 3m)
Switch points:	1 to 4 (field adjustable)
Process temp:	F: -40° to 176° C: -40° to 80°
Pressure:	Atmospheric
Wetted material:	PP (20% glass filled)
Conduit entrance:	Single, 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

application coverage  
 Rugged PP construction  
 for use in challenging  
 corrosive environments  
 Adjustable level switches  
 make field adjustment fast  
 and simple  
 PP junction box with  
 swivel base

**Tech Tip**

The compact junction box is constructed of UL approved fire retardant PP and comes pre-wired with a 12-pole terminal strip. Its level made simple.



**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

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

Ultrasonic Shown

Vibration Shown

Buoyancy Shown



**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.