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Smart Trak™ with Compact Relay Controller

Application

This general purpose switch package provides a complete solution for automatic filling or emptying of a tank between two adjustable level switch points with a 10A latching compact relay controller for pump or valve actuation. The product is typically selected to atmospheric day tank, process vessel and waste sump applications. Specify the appropriate sensor technology and assembly dimensions.

Features

- Fail-safe relay control of pumps and valves with 0-60 second time delay
- Offered in 3 sensing technologies for broad application coverage
- Easy setup with LED indicators for sensor, power and relay status
- Rugged PP construction for use in challenging corrosive environments
- Adjustable level switches make field adjustment fast and simple



AV23-43_
Shown

Specifications

Length:	8" to 10' (20cm to 3m)
Switch points:	2 (field adjustable)
Supply voltage:	120/240 VAC @ 50-60 Hz.
Contact type:	(1) SPDT relay, latching
Contact rating:	250 VAC @ 10A
Process temp:	F: -40° to 176° C: -40° to 80°
Pressure:	Atmospheric
Wetted material:	PP (20% glass filled)
Conduit entrance:	1/2" NPT
Enclosure rating:	NEMA 4X (IP65)
Process mount:	2" NPT (2" G)
Classification:	General purpose



Ultrasonic
Shown



Vibration
Shown



Buoyancy
Shown

Tech Tip

The AC powered relay controller has a latching 10A

Sensor Technology

Ultrasonic
Broadly applied in chemical,

relay, adjustable time delay,
LED indicators, NO or NC
invert switch and UL fire
retardant PP enclosure.



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

A 23-43 - - -

Sensor technology (1)

Z Vibration
U Ultrasonic
V Buoyancy

Configuration (2) (3)

1 Controller only
2 Controller with Strobe Alert

Process mount (4) (5)

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

Dimensions (6) (7) (8)

A Specify
B Specify
C Specify

Ordering Notes

- 1) Select the best sensor technology based upon your application.
- 2) To factory configure for 240 VAC, place an E at the end of the P/N: (ie: AU23-4343-87-76-17-E).
- 3) To order the CE configuration, place CE at the end of the P/N: (ie: AU23-4343-87-76-17-CE).
- 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, B and C dimensions at the end of the part number (ie: AZ23-4343-87-76-17"). The dimensions may be specified in 1/2" (1.3 cm) increments.
- 7) The track length or A-dimension may be specified from 8" to 10' (20 cm to 3m). The sensor or B and C dimensions may be specified from 4" to 10' (10 cm to 3m).
- 8) For maximum field adjustability, specify all sensor dimensions equal to the A-dimension.

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