

MODEL SL23-8C/16C AC/DC TILT SWITCH PROBE



Model SL23-8C/16C



The **Model SL23-8C/16C AC/DC Tilt Switch Probe** provide simple alarm output for both dry bulk materials or liquids when used with a float ball accessory. The rugged probe is suspended vertically over a material pile, bin or conveyor belt and as the material level rises to tilt the switch approximately 15° from vertical in any direction, it changes it state from normally closed to normally open.

This simple tilt switch is designed to wire directly to your PLC/DCS system. It eliminates the need for an additional control unit. A time delay should be programmed in the PLC to compensate for momentary movement of material.

This probe is available with a 25' (SL23-8C) or 50' (SL23-16C) severe operations cable. High temp versions (SL23-8C-HT) have a 25' high temp severe operations cable.

Various attachment accessories are available for the probe, such as Float Balls.

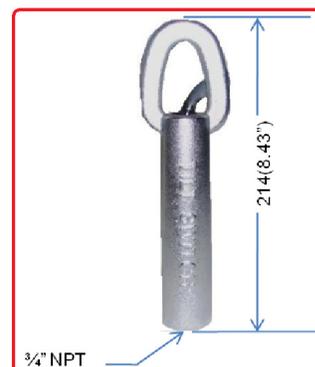
FEATURES:

- Heavy Duty Industrial Tilt Switch
- Simple Installation and Operation
- Mounting Hardware Included
- Optional Accessories available
- Optional Model SL23-8C-HT High Temperature Probe

APPLICATIONS:

- High Level Control (Dry Bulk Materials or Liquids)
- Flow / No-Flow Detector
- Plugged Chute Detector

OUTLINE DIMENSIONS: Dimensions: mm (inches)



SPECIFICATIONS:

- TILT ANGLE: 10-15° from vertical
- OUTPUT: Normally Closed Mercury Contact. Rated 1.5 Amps @ 110 VAC non-inductive, 1 Amp @ 24 VDC
- TEMPERATURE RATING: -40°F to 200°F(-40°C ~ 93°C)
- TEMPERATURE RATING HT: -40°F to 374°F(-40°C to 190°C)
- HOUSING: Ductile Iron, Chrome Plated Nickel Finish
- CABLE: 25' or 50' Severe Operations Cable, 18 AWG
- CABLE HT: 25' Severe Operations Cable, 18 AWG High Temp

APPROVALS FOR SAFETY: CE

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| • Electrical Safety | IEC 60204-1: 2005-10
IEC 60947-1: 2004-03 |
| • Mechanical Safety | IEC 60204-1: 2005-10 |
| • Functional Safety | IEC 60204-1: 2005-10 |
| • Outdoor/Noise/Vibration | IEC 60529: 2001-02 |