

Tip-Over Sensor
NI-TO-S/SM

Data sheet

Product overview

The NEWCO Instruments Tip-Over Sensor is an hermetically sealed switch designed for single point level detection. Used with a switch isolator or separately, it is a cost-effective high and low alarm solution for bulk solid level control. The sensor is suspended vertically over the measurement point, with the encapsulated switch in the a normally-closed state. When material makes contact with the sensor, and it tilts through an angle of more than 25° in any direction, the switch contact is broken.

Features

- High or low alarm
- Switches at 25° from vertical, in any direction
- Rugged, hermetically sealed enclosure
- Easy installation with no calibration required
- Low cost
- Adjustable measurement height

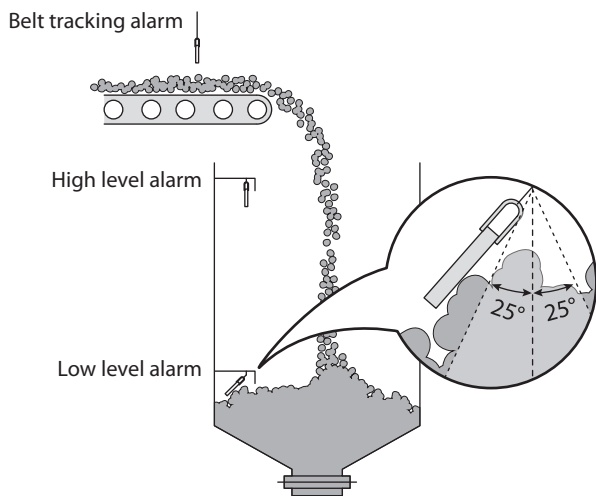
Materials

Ideal for bulk solids like coal, plastic pellets, rubber, resin, silica sand, wood, limestone, pre-mix, calcium dust, clay, regrind, metals and grain.

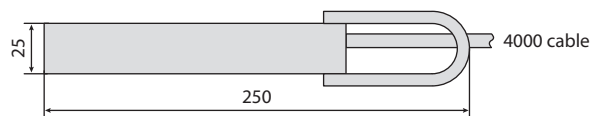


Solid level control simplified

Applications

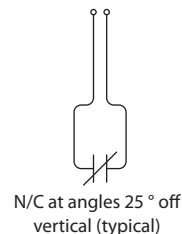
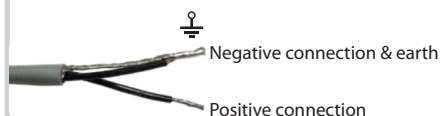


Dimension drawing



units in millimeters

Connections



Technical specifications

	Tip-Over Sensor	Mercury Tip-Over Sensor
Performance data		
Activation angle	25° from vertical axis ± 5°	25° from vertical axis ± 5°
Technical data		
Switch	Normally closed	Normally closed
Max. operating voltage	60 V AC / DC	240 V AC
Max. operating current	250 mA (Nominal)	800 mA (Nominal)
Cable	4 m	4 m
Housing material	Chromed mild steel	Chromed mild steel
Weight	1 kg	1 kg
Environmental data		
Operating temperature	-30 °C to +65 °C	-30 °C to +65 °C
Enclosure rating		

Product order codes

Tip-Over Sensor	NI-TO-S
Mercury Tip-Over Sensor	NI-TO-SM

AGENT DETAILS



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