



## Model TPL-300 Tilt Switch

The model TPL-300 Tilt Switch will provide an output, whenever it is tilted beyond a pre-determined amount from vertical. It may also be equipped with a float, allowing it to be used in liquid applications.

The switch is designed so that the switch will operate, regardless of direction of tilt.

The switch is equipped with an internal delay of approx. 4 seconds, preventing false trips.

### Features

- Environmentally safe - non-mercury
- Heavy Duty industrial construction.
- Hardy Sensor containing no electronics
- Simple Installation.
- Built in delay to prevent False Trips.

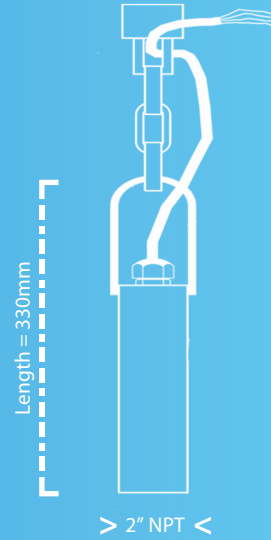
### Applications

- High Level Sensing (dry bulk materials or liquids)
- Flow / No-Flow detector
- Blocked Chute Detector
- Conveyor belt Misalignment Detector.
- Collision Probe for tripper car or similar.
- Starvation Sensor for conveyor belts and weigh feeders.



## Specifications

- Environmentally safe, Mercury free.
- Switch - 5 Amp 250VAC / 5 Amp 30VDC Sealed SNAP Action SPDT Switch.
- Internally Grounded.
- Hydraulic Damping.
- Senses at: +/- 25°
- Operational Temperature Range: -10°C to +80°C
- Protection to IP65.
- Enclosure: Nickel Plated Mild Steel or 316 Stainless Steel



## Typical Applications

<p><b>Normal Installation</b></p> <p><i>Cable to be slack at this point, where there is no danger of falling material</i></p>	<p><b>Shielded Installation</b></p> <p><i>Cable to be slack at this point, where there is a danger of material falling on the tilt switch</i></p>	<p><b>Bin High-Level Alarm</b></p>	<p><b>Stockpile Full Alarm</b></p>	
<p><b>Blocked Chute Alarm</b></p>	<p><b>Material No-Flow Alarm</b></p>	<p><b>Material Flow Normal</b></p>	<p><b>Liquid/ Slurry Tank High Alarm</b></p>	<p><b>Normal Material Flow</b></p>

