TILT SWITCH PROBE
Non-Mercury Probes

The SERIES LTS Tilt Switch Probes is able to sense either the presence or absence of material in applications where other sensors fail due to bin vibration, or absence of area to mount other measuring units. The probes are designed for use where the bulk material to be sensed is exposed or open. Use with Series LTC Tilt Switch Control Unit for complete control output solution.

FEATURES/BENEFITS
• All probe models are airtight, dust tight, and waterproof
• Compact probe should be used for applications where space is limited and standard, heavy duty probe should be used for applications where an abrasion resistant probe is necessary

APPLICATIONS
• Large hoppers
• Silos
• Crushers
• Trippers
• Stackers
• Conveyors

SERIES LTS Tilt Switch Probes

<table>
<thead>
<tr>
<th>Model Type</th>
<th>Standard</th>
<th>Compact</th>
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</thead>
<tbody>
<tr>
<td>LTS-N11G-025</td>
<td>Steel</td>
<td>Steel</td>
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<tr>
<td>LTS-N21G-025</td>
<td>Steel</td>
<td>SS</td>
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<tr>
<td>LTS-N12G-025</td>
<td>SS</td>
<td>SS</td>
</tr>
<tr>
<td>LTS-N22G-025</td>
<td>Compact</td>
<td>Compact</td>
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Consult factory for custom cable lengths.

TILT SWITCH CONTROL UNIT
Adjustable Time Delay

The MODEL LTC2 Tilt Switch Control Units offers a complete level control solution when used with a tilt switch probe such as the Series LTS. It offers a DPDT switch output as well as indicator lights to provide visual and output control of the level probe status.

FEATURES/BENEFITS
• Adjustable time delay feature may be assigned to either the vertical or the tilt position to prevent false signals
• Logic selector switch determines when the output relay actuates and de actuates, thus while in position one, the relay is energized when the probe is in the vertical position and de-energizes when the probe is in the titled position, and while in position two, the actions are opposite
• Relay assumes the de-energized position upon reaching the end of the delay period as well as upon failure of power to the controller

APPLICATIONS
• Large hoppers
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SPECIFICATIONS
- Temperature Limit: -4 to 104°F (-20 to 40°C).
- Switch Type: SPST, normally closed.
- Electrical Rating: < 50 mA @ 12 VDC as supplied by Series LTC controller.
- Electrical Connection: 3-wire +12 VDC (supplied by controller).
- Cable Length: 25” (6.4 m) unless otherwise specified.
- Probe Length: Standard: 9” (23 cm); Compact: 6” (15 cm).
- Contact Rating: When not used with LTC controller: 60 V max., 0.25 A max.
- Actuation Angle: 25° from vertical.
- Weight: Standard: 4.75 lb (2.15 kg); Compact: 2.5 lb (1.13 kg).
- Features: Fittings for hangers.
- Agency Approvals: Meets NEMA 4.

MODEL CHART

<table>
<thead>
<tr>
<th>Model Enclosure</th>
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<tbody>
<tr>
<td>LTC2</td>
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</tbody>
</table>

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TILT SWITCH CONTROL UNIT
Adjustable Time Delay

SPECIFICATIONS
- Temperature Limit: -4 to 104°F (-20 to 40°C).
- Power Requirements: 115 VAC @ 50/60 Hz.
- Power Consumption: 10W.
- Switch Type: DPDT.
- Electrical Rating: 5 A @ 120 VAC; 5 A @ 240 VAC.
- Enclosure: Cast aluminum.
- Enclosure Rating: None or NEMA 4, 4X.
- Electrical Connections: None or NEMA 4, 4X.
- Conduit Connections: 3/4 NPT: 2 power/relay & 1 probe.
- Indicator Light: Green (when relay is energized and probe vertical); Red (when relay is de-energized and probe tilted), LED lamps.
- Time Delay: 0.1 to 35 sec; Adjustment will delay output relay action.