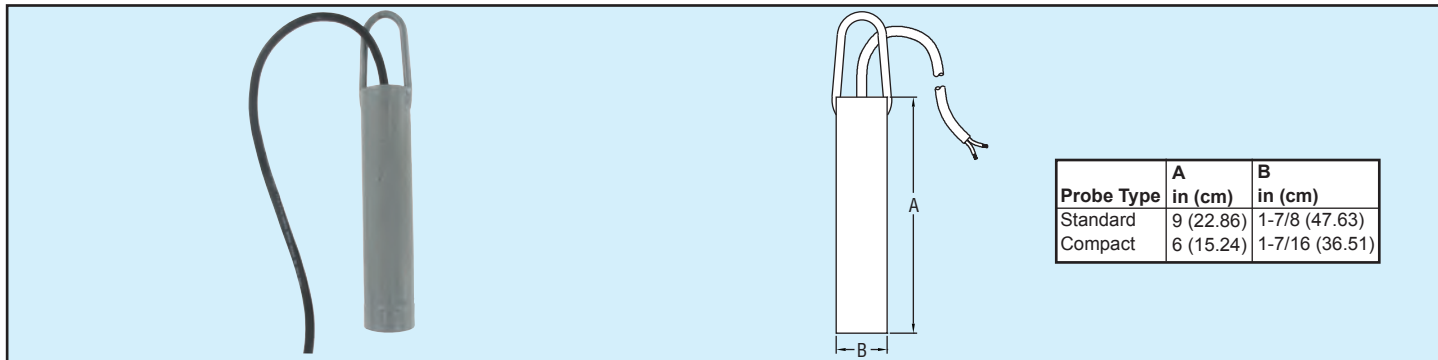




Series  
LTS

# Tilt Switch Probe

## Non-Mercury Probes



Probe Type	A in (cm)	B in (cm)
Standard	9 (22.86)	1-7/8 (47.63)
Compact	6 (15.24)	1-7/16 (36.51)

The Series LTS Tilt Switch Probes are able to sense either the presence or absence of material when other sensors won't work due to bin vibration, or actual walls aren't available for mounting other types of measuring units. The probes are designed for use where the bulk material to be sensed is exposed or open. Typical applications include high or low level detection in large hoppers, silos, crushers, or trippers, high level control under stackers, and detection of plugged conditions at conveyor transfer points. Series LTS probes can also be used to detect the presence or absence of bulk material on belt conveyors, on chutes to indicate product flow, and to aid in loading rail cars or trucks.

All probe models are airtight, dust tight, and waterproof. The compact probe should be used for applications involving small bins and hoppers where space is limited, while the heavy duty probe should be used for applications where a heavy duty abrasion-resistant probe is necessary.

Model	Size	Probe Material
LTS-N11G-003	Standard	Steel
LTS-N21G-003	Compact	Steel
LTS-N12G-003	Standard	SS
LTS-N22G-003	Compact	SS

Consult factory for custom cable lengths.

### SPECIFICATIONS

**Service:** Powder and bulk.

**Temperature Limit:** -40 to 150°F (-40 to 66°C).

**Switch Type:** SPST, normally closed.

**Electrical Rating:** 0.25 A max, 60 V max, 3 VA max.

**Electrical Connection:** 16-2 type SO connection cable.

**Cable Length:** 3' (0.9 m) unless otherwise specified.

**Probe Length:** Standard: 9" (23 cm); Compact: 6" (15 cm).

**Signal Voltage:** 15 VDC.

**Actuation Angle:** 25° from vertical.

**Material:** Steel or 316 SS.

**Switch Surrounding:** Epoxy encapsulated.

**Mounting Orientation:** Vertical.

**Weight:** Standard: 4.75 lb (2.15 kg); Compact: 2.5 lb (1.13 kg).

**Features:** Fittings for hangers.

**Enclosure Rating:** NEMA 4 (IP56).