

## Tilt Switch

Model : SS-55 Series

### Explanation

Tilt Switch Probes is an electro mechanical tilt switch, whose main purpose is to control the presence, absence or density of the bulk material during flow of flowing materials. It is also used as an electro-mechanical inclination switch-for point detection and feeding loss detection in conveyor belts.

Probe option consists of two different models, SS model has a stainless steel body. CB model is used in accordance with complete casting and heavy conditions. It can be operated with the help of a control unit for control or directly integrated in the system, depending on demand.

### Features

Weight : 0,45  
 Protection Class : IP68  
 Certificate : CE  
 Contact Values : 12,5A - 120VAC / 5 ohm

### Application

High level control for silos and feed hoppers (dry bulk materials or liquids)  
 Flow / no-flow detector  
 Plugged chute detector  
 Belt tracking indication

### Technical Specifications

Model	Tilt Angle	Temperature Degree	Explanation
SS-55	360° de 35°	-40°C+80°C	Stainless Steel + Pallet Head - Stainless Steel Body (for Granule and Powder environments)
SS-55HT	360° de 35°	-40°C...+190°C	Stainless Steel Body + High Temperature Resistant + Pallet Head (for Granule and Powder environments)
SS-55-B1	360° de 20°	-40°C+80°C	Stainless Steel + Pallet Headed + 20 ° Angle (For Granule and Dust Media) Mercury Free
SS-55HT-B1	360° de 20°	-40°C+190°C	Stainless Steel + High Temperature Resistant + Pallet Head + (For Granule and Dust Environment) + 20 ° Angle Mercury Free
SS-R55	360° de 20°	-40°C+80°C	Stainless Steel + Pallet Headed + 20 ° Angle (for Granule and Dust environments) Mercury
SS-R55HT	360° de 20°	-40°C...+190°C	Stainless Steel + High Temperature Resistant + Pallet Head + (For Granule and Dust Environment) + Mercury + 20 ° Angle
SS-55HT-C1	360° de 35°	-40°C...+190°C	Stainless Steel + High Temperature Resistant Track Head + Cable Protection Steel Tubing (For Granule and Dust Environment)
SS-55HT-C2	360° de 35°	-40°C...+190°C	Stainless Steel + High Temperature Resistant + Pallet Head + Cable Protection Spiral Pipe (For Granule and Dust Environment)

### Cable length 3.3



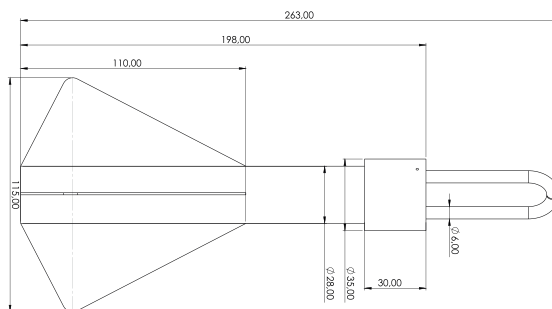
**SS-55C1**  
Protection Cable Tilt Switch



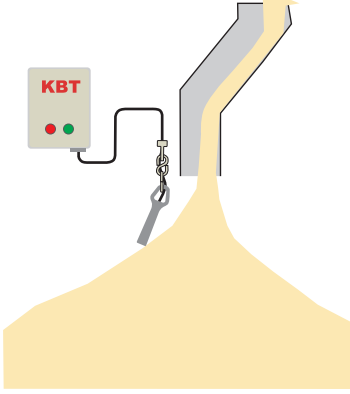
**SS-55**  
Unprotected Cable Tilt Switch



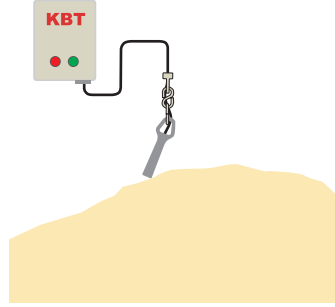
**SS-55HTC2**  
High Temperature Resistance Cable Protection Tilt Switch



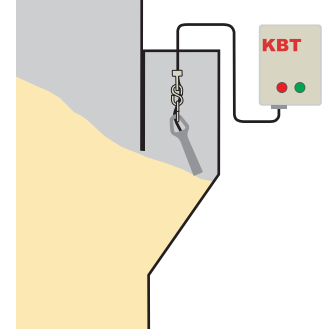
## Types of Applications



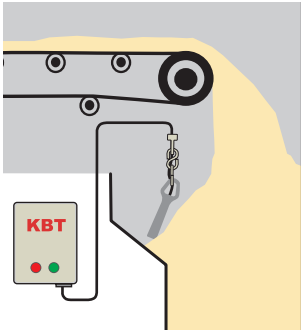
High Level



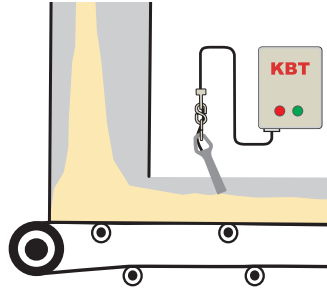
High Pile



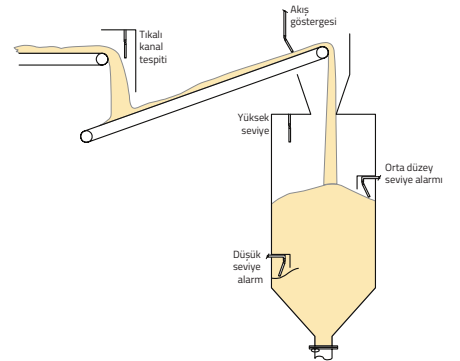
Low Level



Plugged Chute



Material Flow

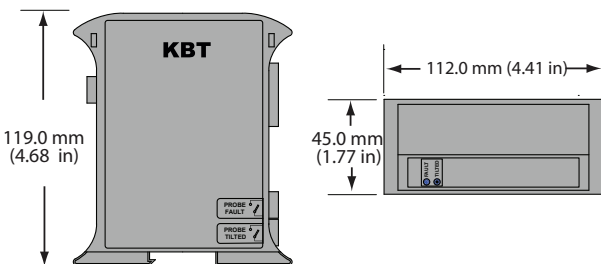


General Application

## Control Panel Specifications

Entry	All Models	115/230 VAC, 50/60 HZ
Alarm Contact	KT20-P / KT25-DIN	(2)SPDT-10Amp@115/230VAC, 7Amp@30VDC non-inductive (1) NO-2AMP@115/230VAC,3Amp@20VDC
Fault Contact	All Models	(1) NO- 2AMP rated for. 115/230VAC@24VDC
Delay Time	All Models	It can be set to 1,2,4 and 6 seconds.
Temperature	All Models	-40°C (-40°F) +50°C (+122°F)
Protection	KT20-P / KT25-DIM	IP65 (NEMA 4) / IP20 (NEMA 1)
Certificate	All Models	CE
Hazard Zone Usage	Awaiting Approval	

## KT25-DIN Mounting Dimensions



## KT20-P Mounting Dimensions

