

# MODEL SL20-8 & SL29-115 TILT SWITCH PROBE & CONTROL



**NON-MERCURY!!!**



Model SL20-8

Model SL29 - 115



The **Model SL20-8 and SL29-115 Tilt Switch Probe & Control** provide simple alarm output for both dry bulk materials or liquids when used with a float ball accessory. The rugged non-mercury probe is suspended vertically over a material pile, bin or conveyor belt and as the material level rises to tilt the switch approximately 15° from vertical in any direction, an alarm output signal is activated. The control unit is designed with an adjustable time delay to prevent false trips from vibration, wind or accidental movement. Various attachment accessories are available for the probe, such as wear paddles and float balls.

## **APPLICATIONS:**

- High Level Control (Dry Bulk Materials or Liquids)
- Flow / No-Flow Detector
- Plugged Chute Detector

## **FEATURES:**

- **NON-MERCURY**
- Heavy Duty Industrial Tilt Switch
- Simple Installation and Operation
- Solid State Electronics with Adjustable Time Delay to Prevent False Trips, 0-10 seconds
- Large green ("Normal") and red ("Alarm") LED indicating lights on front cover
- Mounting Hardware Included
- Optional Accessories available
- SL20-8 Probe can be used by itself with a 24 VDC power Supply
- SL20-8 can be retrofitted to replace mercury probes connected to the 24 VDC side of existing controllers.

# SPECIFICATIONS

## MODEL SL29-115 — Control Unit

### OUTPUT:

One (1) DPDT contact. Rated 5A @ 220 VAC or 5A @ 28 VDC non-inductive.

### TIME DELAY:

Adjustable 0-10 seconds

### ENCLOSURE:

IP-67 Outdoor enclosure with large green (“Normal”) and red (“Alarm”) LED indication lights on front cover

### TEMPERATURE RATING:

-40°F~140°F(-40°C~60°C)

### POWER:

Voltage—105-125 VAC  
Frequency—47 to 62 Hz  
Consumption—10 Watts

## MODEL SL20-8 — Tilt Switch Probe

### TILT ANGLE:

10-15° from vertical when used with SL29-115 Control unit

### OUTPUT:

Normally Closed Non-Mercury Contact  
Rated 250mA @ 24 VDC non-inductive  
Minimum Current: 10mA

### TEMPERATURE RATING:

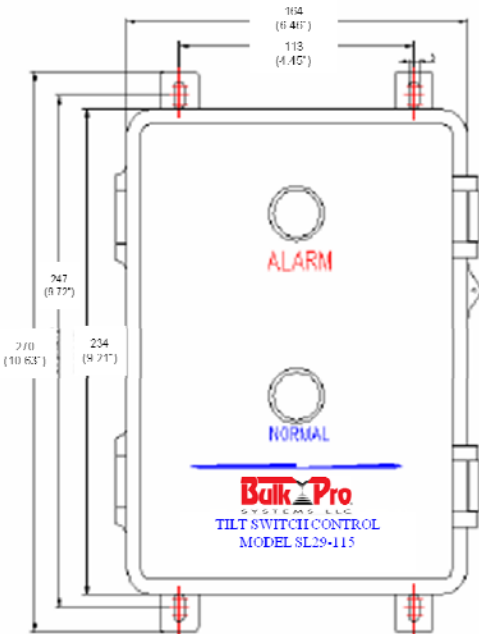
-40°F ~ 200°F(-40°C ~ 93°C)

### HOUSING:

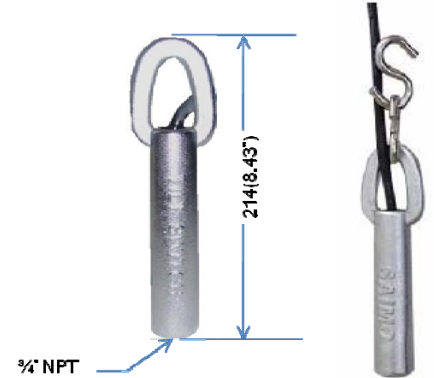
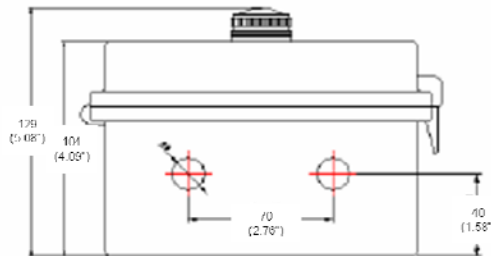
Ductile Iron, Chrome Plated Nickel Finish

### CABLE:

25' Severe Operations Cable



SL29-115 Tilt Switch Control Outline Dimensions



SL20-8 Tilt Switch Probe Outline Dimensions

Dimensions: mm (inches)