

DUAL POINT CABLE FLOAT SWITCH

SERIES: TLS



Series TLS Cable Float Switches are dual-point switches that provide built-in hysteresis for better pump control. The switch operating levels are easily adjustable based on the cable weight location, and the floats are especially suited for use in waste water and sewage applications with low specific gravity.

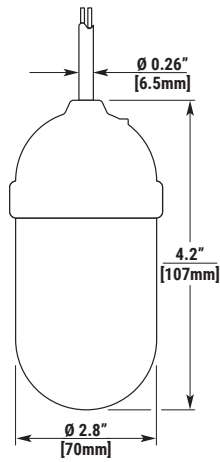
Features

- High or Low Level control
- Highly chemical resistant
- Proven reliability in operation
- Not sensitive to rotation
- Cable weight

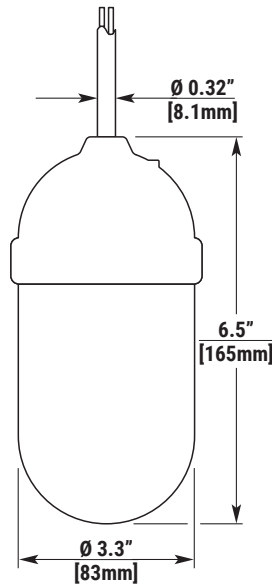


SERIES TLS SPECIFICATIONS

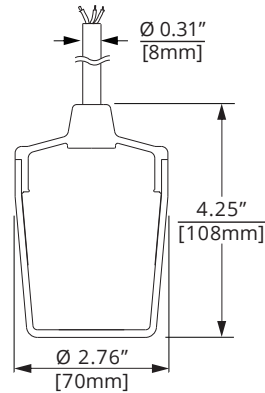
TLS-6A/B



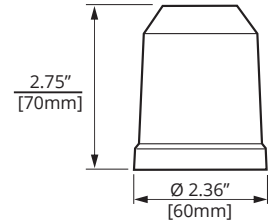
TLS-8A/B



TLS-6-B



**TLS-6-B
Cable Weight**



Performance

- Switching Differential
 - TLS-6A/B: 11" - 39" (0.27 - 1 m)
 - TLS-8A/B: 13" - 157" (0.33m - 4 m)
 - TLS-6-B: 28° ±2°
- Maximum Pressure
 - TLS-6A/B: 29 psi (2 bar)
 - TLS-8A/B: 29 psi (2 bar)
 - TLS-6-B: 28 psi (1.9 bar)
- Maximum Water Depth / Cable Length
 - TLS-6A/B: 65.6 ft (20 m)
 - TLS-8A/B: 65.6 ft (20 m)
 - TLS-6-B: 19.7 ft (6 m)

Connectivity

- Cable
 - TLS-6A/B: 2/C 0.5mm² (~20 AWG)
 - TLS-8A/B: 2/C 0.75mm² (~18 AWG)
 - TLS-6-B: 2/C 1.25mm² (~16 AWG)

Environmental

- Liquid Operating Temperature
 - TLS-6A/B: 14° - 122°F (-10° - 50°C)
 - TLS-8A/B: 14° - 122°F (-10° - 50°C)
 - TLS-8A/B -T: 14° - 158°F (-10° - 70°C)
 - TLS-6-B: 32° - 140°F (0° - 60°C)
- Protection: IP68
- Minimum Specific Gravity
 - TLS-6A/B: 0.7
 - TLS-8A/B: 0.9
 - TLS-6-B: 0.6

Electrical

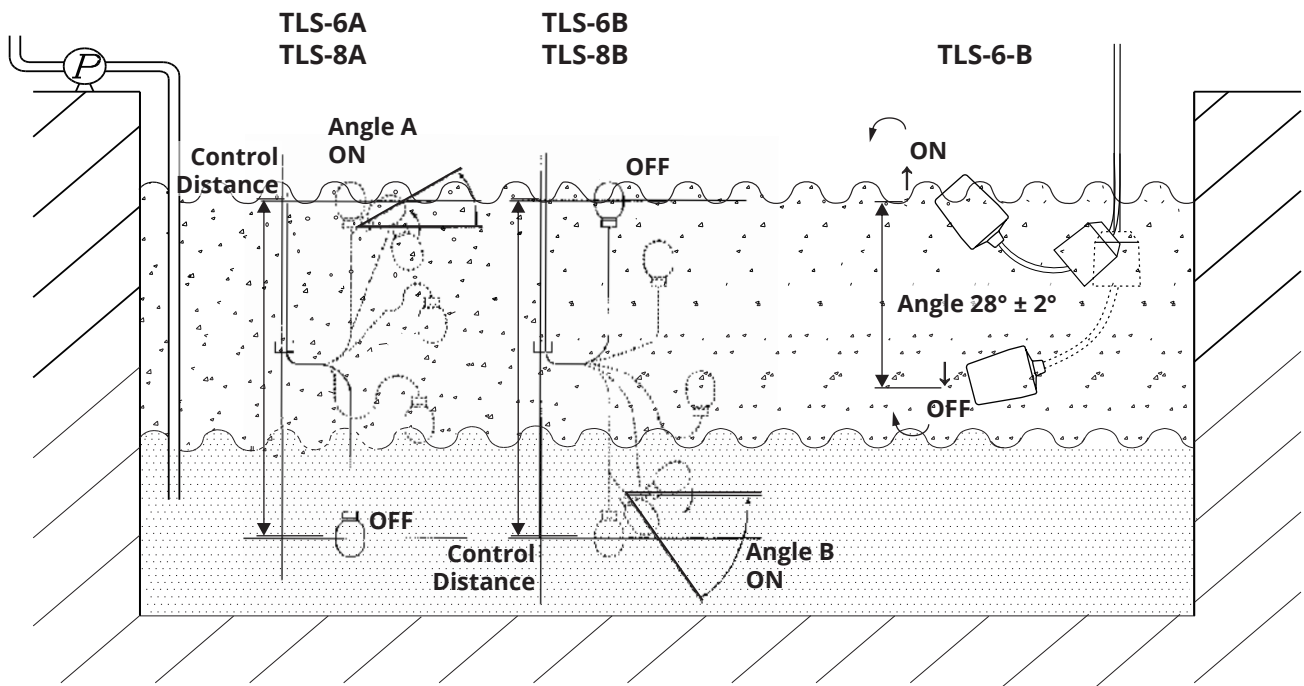
- Voltage
 - TLS-6A/B: Max. 300 VAC/VDC
 - TLS-8A/B: Max. 300 VAC/VDC
 - TLS-6-B: Max. 250 VAC/VDC
- Current Rating
 - TLS-6A/B: Max. 0.5 AC/DC
 - TLS-8A/B: Max. 0.5 AC/DC
 - TLS-6-B: Max 10 A @ 250VAC
- Contact Rating
 - TLS-6A/B: Max. 50 VA AC/50W DC
 - TLS-8A/B: Max. 50 VA AC/50W DC
 - TLS-6-B: Max 10 A @ 250VAC
- 50/60 Hz

Physical

- Standard Cable Length: 6m (19.7 ft)
- Housing
 - TLS-6A/B: Polypropylene with ABS Resin cap
 - TLS-8A/B: ABS Resin
 - TLS-6-B: Polypropylene
- Cable: PVC Jacket
- Cable Weight
 - TLS-6A/B: Painted cast iron
 - TLS-8A/B: Painted cast iron
 - TLS-6-B: 1.1 lbs (0.5 kg), Polypropylene

COMMON MODEL CONFIGURATIONS

Model Number	Model Description
TLS-6A-6	Normally Open Switch (High Alarm), 11" - 39" control distance, 6 meter cable, with weight
TLS-6B-6	Normally Closed Switch (Low Alarm), 11" - 39" control distance, 6 meter cable, with weight
TLS-6-B-6	Normally Closed Switch (Low Alarm), 28° switching differential, 6 meter cable, with weight
TLS-8A-6	Normally Open Switch (High Alarm), 13" - 157" control distance, 6 meter cable, with weight
TLS-8B-6	Normally Closed Switch (Low Alarm), 13" - 157" control distance, 6 meter cable, with weight



TLS-6A

Actuation Angle A: $35^\circ - 70^\circ$
 Control Distance: 11" - 39" (0.27 - 1m)
 Operation: Normally Open (Empty Control)

TLS-8A

Actuation Angle A: $11^\circ - 33^\circ$
 Control Distance: 13" - 157" (0.33 - 4m)
 Operation: Normally Open (Empty Control)

TLS-6B

Actuation Angle B: $-30^\circ - -70^\circ$
 Control Distance: 11" - 39" (0.27 - 1m)
 Operation: Normally Closed (Fill Control)

TLS-8B

Actuation Angle B: $-13^\circ - -39^\circ$
 Control Distance: 13" - 157" (0.33 - 4m)
 Operation: Normally Closed (Fill Control)

TLS-6-B

Control Angle: $28^\circ \pm 2^\circ$
 Operation: Normally Closed (Fill Control)

Model Configuration Options



Model Number: TLS - - -
 A B C D

A. Size

- 6** Small Float - 4.2" x Ø 2.8", 11" - 39" (0.27 - 1 m) switching differential
- 8** Large Float - 6.5" x Ø 3.3", 13" - 157" (0.33 - 4 m) switching differential

B. Model and Function

- A** (NO) Normally Open - High Alarm/Empty Control
- B** (NC) Normally Closed - Low Alarm/Fill Control

C. Temperature Rating

- ▲** Standard
- K** Extended Range (Size 8 float only)

D. Cable Length

- ▲** Standard 6 m (19.7 ft)
- L** Specify length in meters, up to 20 m (65.6 ft)

Note: ▲ Indicates this option is standard.

Model Number: TLS - 6 - -
 A B A B

A. Model and Function

- B** (NC) Normally Closed - Low Alarm, 28° switching differential

B. Cable Length

- 6** 6 m (19.7 ft)