



SERIES: TLS

Dual Point Cable Float Switch

Series TLS Cable Float Switch 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

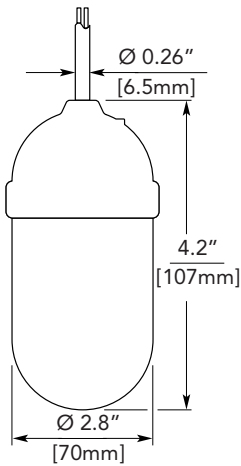
- High or low level control
- Highly chemical resistant
- Proven reliability in operation
- Not sensitive to rotation
- Cable weight
- Customizable switching differential
- Available in Normally Open (NO) and Normally Closed (NC) contacts

COMMON APPLICATIONS

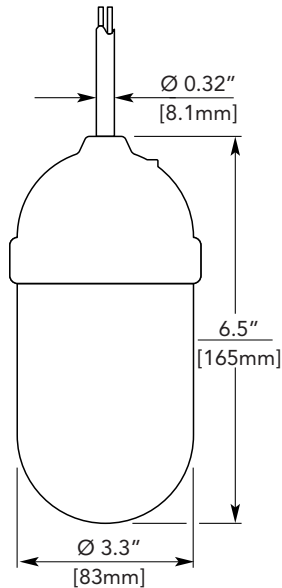
- Pump control
- Wastewater and sewage systems
- Sump pits and drainage systems
- Tank level control
- Alarm systems
- Remote or deep wells
- Harsh or corrosive environments

SERIES TLS SPECIFICATIONS

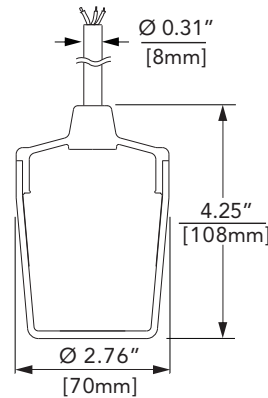
TLS-6A/B



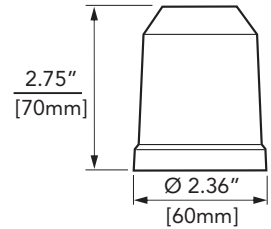
TLS-8A/B



TLS-6-B



CABLE WEIGHT



PERFORMANCE

- **Switch Differential:**
 - TLS-6A/B: 11"–39" (0.27–1m)
 - TLS-8A/B: 13"–157" (0.33m–4m)
 - 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. (20m)
 - TLS-8A/B: 65.6 ft. (20m)
 - TLS-6-B: 19.7 ft. (6 m)

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

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)

ELECTRICAL

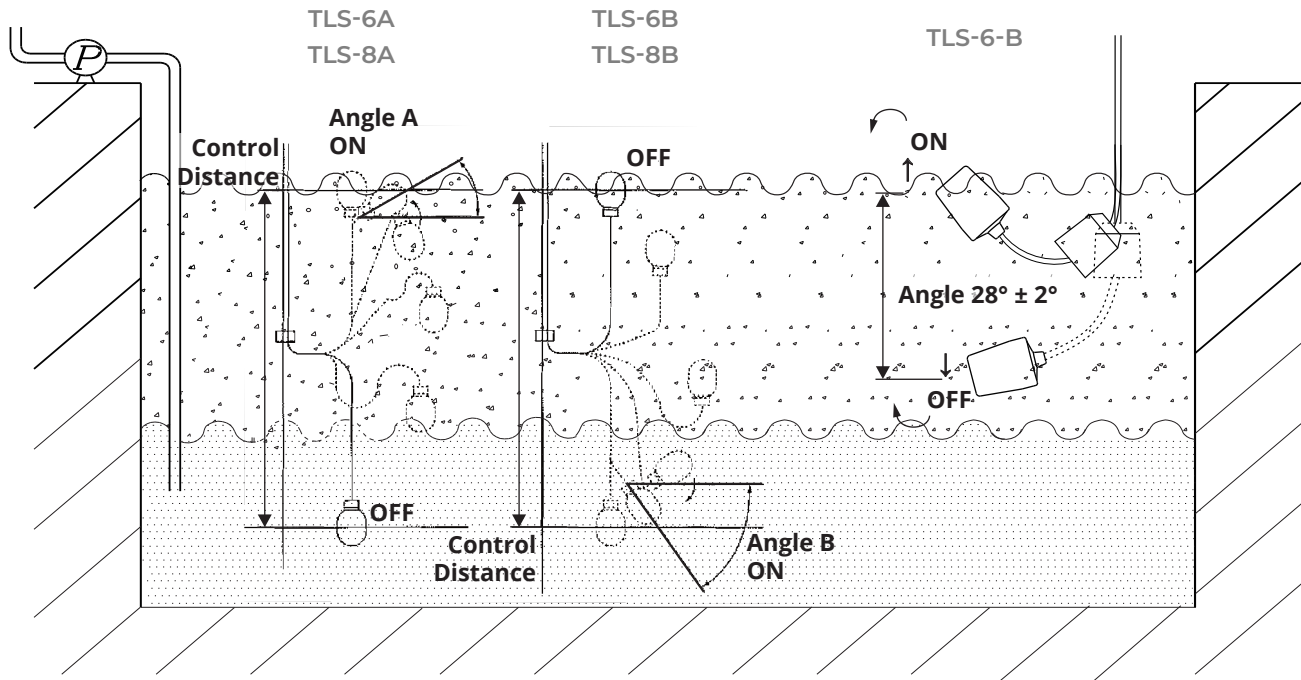
- **Voltage:**
 - TLS-6A/B: Max. 300 VAC/VDC
 - TLS-8A/B: Max. 300 VAC/VDC
 - TLS-6-B: Max. 250 VAC/VDC
- **Current Rating:**
 - TLS-6A/B: Max. 0.5 AC/DC
 - TLS-8A/B: Max. 0.5 AC/DC
 - TLS-6-B: Max. 10 A @ 250 VAC
- **Contact Rating:**
 - TLS-6A/B: Max. 50 VA AC/50W DC
 - TLS-8A/B: Max. 50 VA AC/50W DC
 - TLS-6-B: Max. 10 A @ 250 VAC
- **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°–70°
- **Control Distance:**
11"–39" (0.27–1m)
- **Operation:**
Normally Open (Empty Control)

TLS-6B

- **Actuation Angle B:**
–30°– –70°
- **Control Distance:**
11"–39" (0.27–1m)
- **Operation:**
Normally Closed (Fill Control)

TLS-6-B

- **Control Angle:**
28° ± 2°
- **Operation:**
Normally Closed (Fill Control)

TLS-8A

- **Actuation Angle A:**
11°–33°
- **Control Distance:**
13"–157" (0.33–4m)
- **Operation:**
Normally Open (Empty Control)

TLS-8B

- **Actuation Angle A:**
–13°– –39°
- **Control Distance:**
13"–157" (0.33–4m)
- **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" (0.27–1m) switching differential
- ☐ 8 Large Float—6.5" x ø 3.3", 13"–157" (0.33–4m) switching differential

B. Model & 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 6m (19.75 ft.)
- ☐ L__ Specify length in meters, up to 20m (65.6 ft.)

*This option is standard

MODEL NUMBER: TLS – 6 –

A B

A. Model & Function

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

B. Cable Length

- ☐ 6 6m (19.7 ft.)

COMMON ACCESSORIES

Please order separately, by part number.

Description	Part Number
PVC coated cable weight 1 lb. 5 oz. (0.6 kg.), 2.8" ø x 3.3' h	122907-0127