

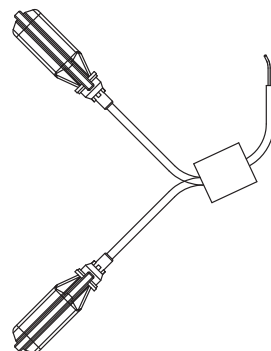
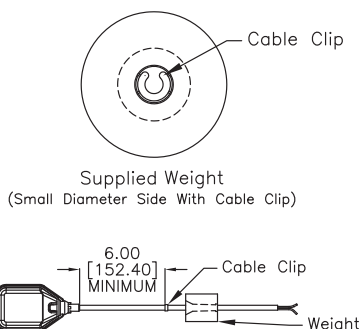
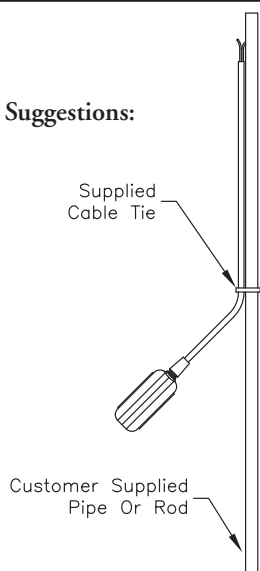
Installation Instructions:

1. There are no specific installation concerns. However, the lead cable should be supported in an enclosed tank. Additionally, in an open tank, sump, or pond, it is advantageous to clip the lead cable to the side; especially if excessive turbulence is experienced (a nylon cable-tie is included).
2. The wire colors are defined in the following table:

Wiring	
Wire Color	Position
Black	Common
Blue	Normally Closed
Brown	Normally Open

3. A stabilizing weight and plastic c-clip are included with the Tilt Float Switches. This may be installed at any point on the lead cable. The weight has a conical inner diameter, to allow it to slide onto the c-clip.
 - Remove the c-clip from the weight and snap onto cable at desired location.
 - Insert the cable through the weight. Make sure the cable is inserted in the larger inner diameter FIRST.
 - Slide weight down length of cable until it contacts the c-clip.
 - Force the weight onto the c-clip by rotating it and using slight pressure.

Installation Suggestions:



Float Travel is proportional to distance between float body and weight or anchor point.

Example 1: 6 inches between float body and weight will require 12 inches total float travel for proper operation of switch.

Example 2: 18 inches between float body and weight will require 36 inches total float travel to proper operation of switch.

Switch point is approximately ± 45 deg from horizontal at tethered or weighted point on cable.

General Information:

- To alleviate the effects of rapid switching conditions if such turbulence is expected, it is recommended that a maintaining circuit be used to both safeguard the micro-switch and cut out any chatter from the starters of associated equipment, such as pumps.

Warnings:

- DO NOT exceed the Maximum Pressure, 1 bar (14.5 psi), and Maximum Temperature, 70°C (158°F)
- DO NOT exceed the Contact Ratings, 16A 250VAC General Purpose 1/2 HP 250 VAC 60 Hz
- Physical damage to switch assembly may render product unserviceable.

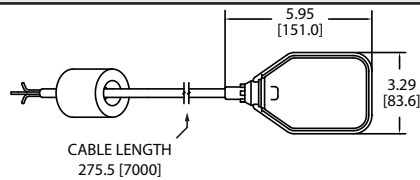
FOR TECHNICAL ASSISTANCE CALL 770-844-4200

Tilt Float Level Switches

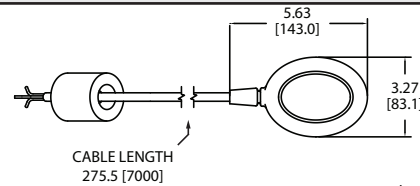
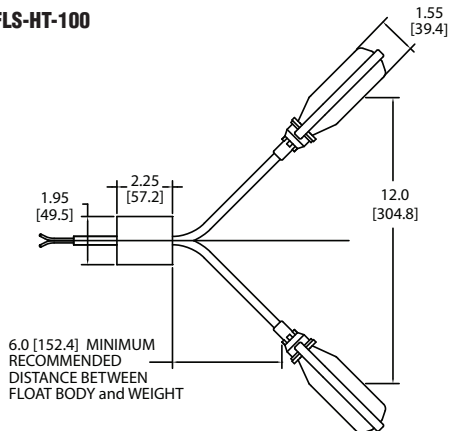


Dimensions

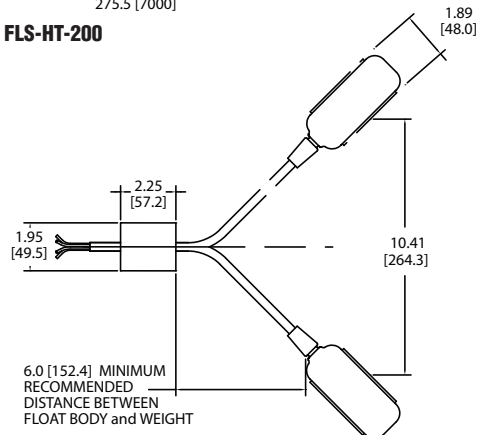
inches [mm]



Part No. FLS-HT-100



Part No. FLS-HT-200



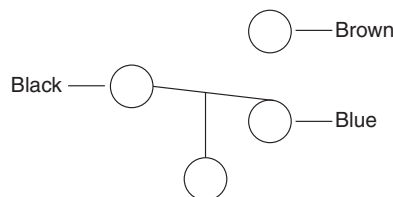
Notes:

1. **Wetted materials**
EPDM: float body
Polypropylene: weight
PVC: cable jacket
2. **Operation:** see wiring diagram
3. **Maximum temperature** 70° C (158° F)
4. **Maximum pressure** 1 Bar (14.5 PSI)
5. **Maximum submerged depth:** 20 Meters (65.6 ft.)
6. **Liquid specific gravity:** 0.9 to 1.3
7. **Switch rating:** 16A 250 VAC 60Hz general purpose, 1/2 HP 250 VAC 60Hz: Form C (SPDT)
8. **Wire leads:** 18 AWG, 3 conductor, PVC jacketed cable
9. **Lead length:** 7 Meters (22.9 ft.) ±5%
10. **Float travel is proportional to distance between float body and weight or anchor point.**
Example 1: 6 inches between float body and weight will require 12 inches total float travel for proper operation of switch.
Example 2: 18 inches between float body and weight will require 36 inches total float travel for proper operation of switch.
11. **Switch point is approximately ±45 deg from horizontal at tethered or weighted point on cable.**

Notes:

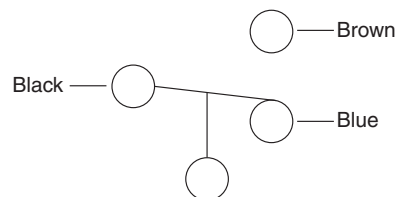
1. **Wetted materials**
EPDM: float body
Polypropylene: weight
PVC: cable jacket
2. **Operation:** see wiring diagram
3. **Maximum temperature** 70° C (158° F)
4. **Maximum pressure** 1 Bar (14.5 PSI)
5. **Maximum submerged depth:** 20 Meters (65.6 ft.)
6. **Liquid specific gravity:** 0.7 to 1.3
7. **Switch rating:** 16A 250 VAC 60Hz general purpose, 1/2 HP 250 VAC 60Hz: Form C (SPDT)
8. **Wire leads:** 18 AWG, 3 conductor, PVC jacketed cable
9. **Lead length:** 7 Meters (22.9 ft.) ±5%
10. **Float travel is proportional to distance between float body and weight or anchor point.**
Example 1: 6 inches between float body and weight will require 12 inches total float travel for proper operation of switch.
Example 2: 18 inches between float body and weight will require 36 inches total float travel for proper operation of switch.
11. **Switch point is approximately ±45 deg from horizontal at tethered or weighted point on cable.**

Wiring



Part No. FLS-HT-100

Wiring



Part No. FLS-HT-200