

# FS00

## Float Level Switch

- low cost version
- simple installation
- vertical or horizontal mounting
- high switch rating, 10 (8) A, 250 VAC
- N/O, N/C or SPDT versions available
- different cable materials, depend on medium



### Description:

The float level switches FS00 work according to the lift principle.

A hollow float is raised by the rising liquid until it reaches an angle of 45 ° from horizontal when switching takes place. The mercury free float switch can be mounted to the tank or container via a through hole such as a 1/2" cable gland or from the tank top.

The switch point is defined by manipulating placement of an optional ballast weight on the connecting cable or by inserting cable through a tube of the desired length.

The FS00 level switch consists of a polypropylene housing with an integrated watertight and position dependent electromechanical microswitch. Cable connections from different materials and in different lengths may be chosen to suit the medium and tank dimensions.

### Applications:

The FS00 float level switches are compatible to virtually all liquid media which do not affect the materials of the switch or cable. The unit is absolutely independent from the pollution of the medium.

The FS00 may be used as MIN, MAX monitor, to control valves or pumps or as an alarm switch.

## Materials and contact ratings

**Materials:** housing from PP, mirror welded, capnut PG11 from PA  
connection cable according to ordering code

### Contact function

based on rising level

- FS00.S... N/O, 10 (8) A, 250 VAC  
colour: red
- FS00.O... N/C, 10 (8) A, 250 VAC  
colour: yellow
- FS00.W... SPDT, 6 (4) A, 250 VAC  
colour: orange

### Connection cable

3-wire for N/O and N/C versions, 4-wire for SPDT

### Cable material:

- Neoprene black  
standard cable for general use
- Polyurethane yellow  
for mineral oil and gasoline
- LAPP-Therm olive  
for bio oil and grease and chemicals
- special cable material  
upon request

### Electrical connection

- FS00.S... brown = common  
blue = signal, switched through with full tank  
green / yellow = protective ground
- FS00.O... brown = common  
blue = signal, switched through with empty tank  
green / yellow = protective ground
- FS00.W... brown = common  
blue = signal, switched through with full tank  
black = signal, switched through with empty tank  
green / yellow = protective ground

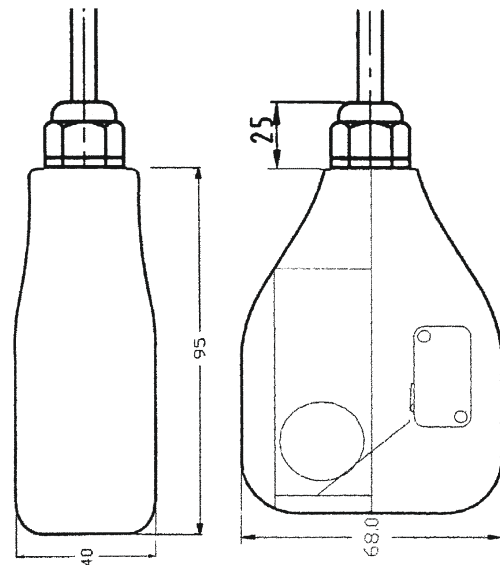
### Ballastweight

Material: cast iron, plastic coated (Levasit)  
Dimensions: 30x30x190 mm

## Ordering code:

<b>Order number:</b>	<b>FS00.</b>	<b>S.</b>	<b>N.</b>	<b>5.</b>	<b>1.</b>	<b>0</b>
<b>Float level switch</b>						
<b>Contact function</b>						
S = N/O						
O = N/C						
W = SPDT						
<b>Cable material</b>						
N = Neoprene						
P = polyurethane						
L = LAPP-Therm						
S = special material						
<b>cable length</b>						
5 = 5 m						
10 = 10 m						
20 = 20 m						
99 = other length						
<b>Ballast weight</b>						
0 = without						
1 = with						
<b>Options</b>						
0 = without						
9 = please specify						

## Dimensions



## Specifications

- Operating temperature:** max. 140 °F / 60 °C, with LAPP-Therm cable up to 200 °F / 95 °C
- Storage temperature:** max. 200 °F / 95 °C
- max. pressure:** 29 psi / 2 bar
- Switching angle:** +/- 45°
- Electrical protection:** IP68
- Weight:**
- Float:** 0.24 lbs / 110 g
  - Ballast:** approx. 1.54 lbs / 700 g