

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 **not affected by** 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

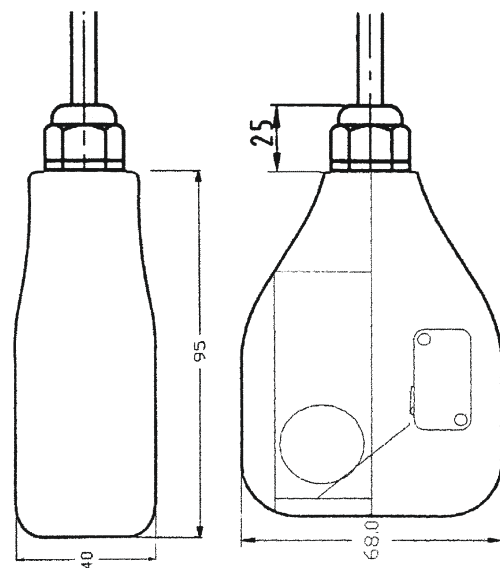
Ballastweight

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

Ordering code:

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

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