

FFSMC Multi-contact float switch

Submerged type float switch for sewer and industrial waste systems.

This self-weighted cable end float switch is designed for use in turbulent industrial fluids and fluids with suspended agglomerates, such as sewer water.

The switch is water resistant up to a depth of 100m, and is insensitive to humidity and condensation, due to the particular design of the switch element. This makes it suitable for applications where there may be wide or rapid fluctuations in ambient or fluid temperatures. Switching capacity of this new design of self-cleaning switch element is 10A at 250V ac.

The outer casing is manufactured in blow moulded Polyethylene (PEHD) and the switch element is surrounded by non-hygroscopic closed cell expanded polyurethane, hermetically sealing the unit.

The switch is fitted with an internal weight such that it fixes the centre of gravity, and rotation, close to the cable entry. An external counterweight is supplied to adjust the pivot position.

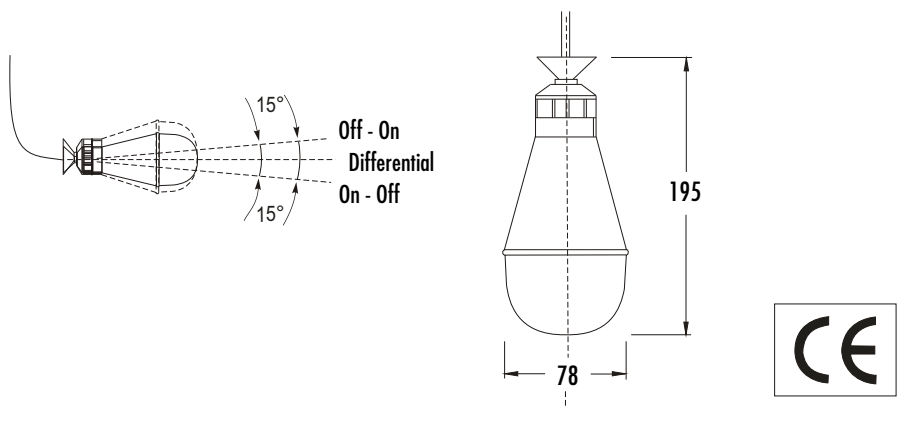
The moulding shape is rounded to prevent the accumulation of solids, that could cause the float to sink.

Technical Specifications

Farnell stock number	424-9409	424-9410	424-9422
Crydom part	FFSMC10A	FFSMC10B	FFSMC10C
Contact Form	N/O	N/C	C/O
Switching Current Max. Resistive	10 A		
Switching Current Max. Inductive	AC	4A	
	DC	1A	
Power Rating	AC VA	750	
	DC W	180	
Switching Voltage	AC V	250	
	DC V	110	
Cable Material	PVC		
Cable length	Standard length 5 metres		
Body Material	High Density Polyethylene		
Temperature Range	°C	0 / +55	
	°F	+ 32 / +131	
Max. working pressure	bar	10	

It is necessary to use an auxiliary relay, when switching pump motors or any loads that are not purely resistive.

MECHANICAL



CRYDOM

Control over power



- Operates in Turbulent Fluids
- Unaffected by Suspended Solids
- Cable Mounting
- 100m Depth Capability

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Every effort has been made to ensure that the descriptions and specifications quoted are correct, however, no liability can be accepted for any errors or omissions in this data. The detail specifications are subject to change without prior notice.

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CRYDOM

Control over power

Part Numbering System

FFSMC 10 A U 10

Series

Max. current

Contact Form

A = n/o

B = n/c

C = c/o

Cable length in metres:

Blank = 5M standard

Cable covering:

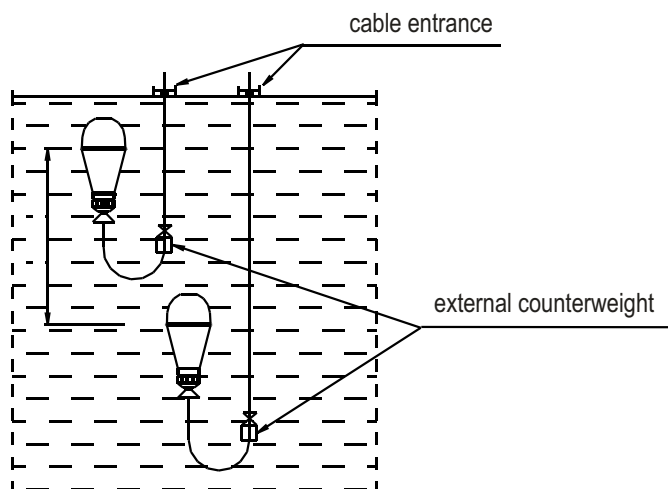
Blank = PVC

U = Polyurethane

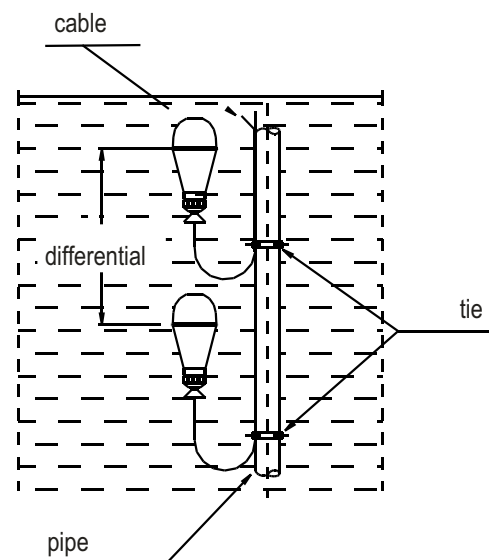
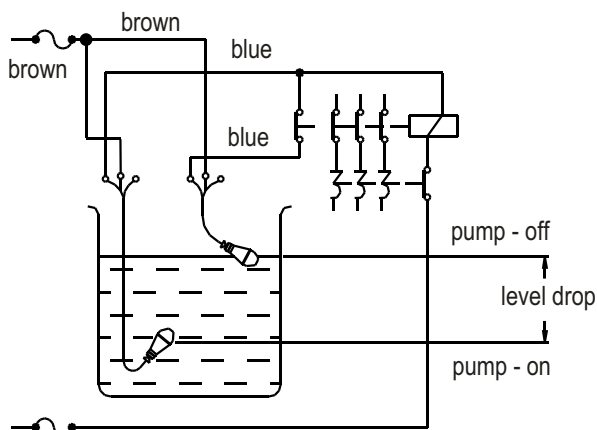
N = Neoprene

S = Silicone

Installation



wiring diagram for filling pump



wiring diagram for emptying pump

