FFSMC Series WRAS APPROVED

Submerged type float switch for reservoir and industrial waste water systems.

This self-weighted cable end float switch is designed for use in turbulent water and water 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 water 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			
Cynergy3 part		FFSMC10AW	FFSMC10BW
Contact Form		N/O	N/C
Switching Current Max. Resistive		10 A	
Switching Current Max. Inductive	AC	4A	
	DC	1A	
Power Rating	AC VA	750	
Max	DC W	180	
Switching Voltage	AC V	250	
Max	DC V	110	
Cable Material		WRC approved	
Cable length		5m with protective earth wire included	
Body Material		High Density Polyethylene	
Temperature Range	°C	0 / +55 (WRAS aprroved for use up to 23°C)	
	°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

15°
Off - On
Differential
On - Off
15°

195
78
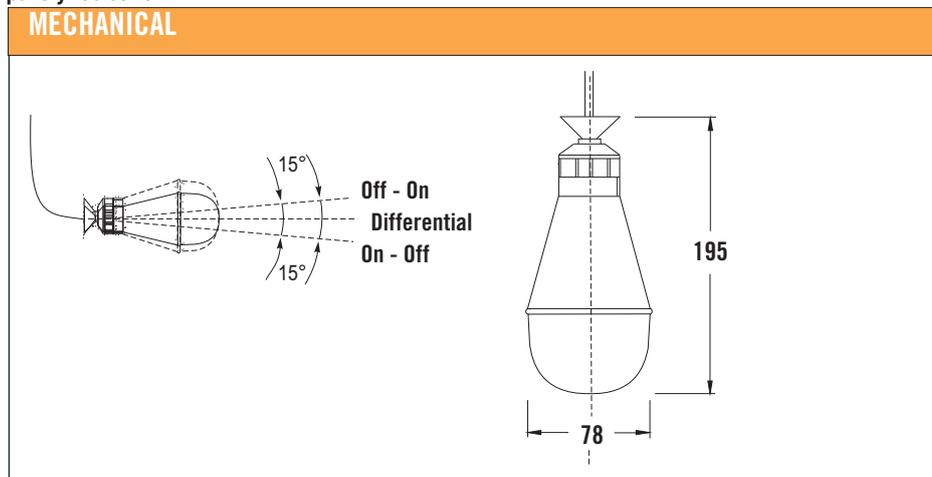
- **Operates in Turbulent Fluids**

- **Unaffected by Suspended Solids**

- **WRAS approved**

- **Cable Mounting**

- **100m Depth Capability**

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Part Numbering System

FFSMC   10   A   W   10

Series

Max. current

Contact Form
A = n/o
B = n/c
C = c/o

Cable length in metres:
Blank = 5M standard

Cable covering:
W = WRC approved

Installation

cable entrance

external counterweight
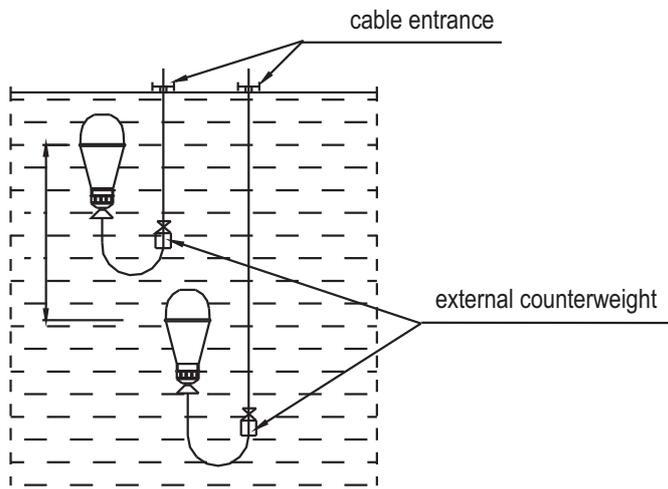
wiring diagram for filling pump

cable

differential

pipe

tie
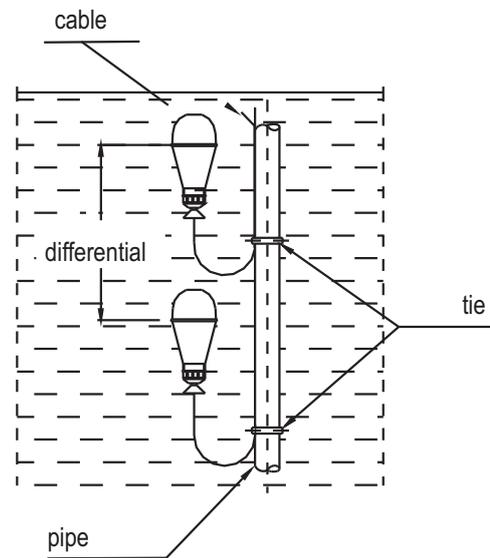
wiring diagram for emptying pump

brown

blue

brown

blue

pump - off

level drop

pump - on

brown

black

brown

black

pump - on

level drop

pump - off