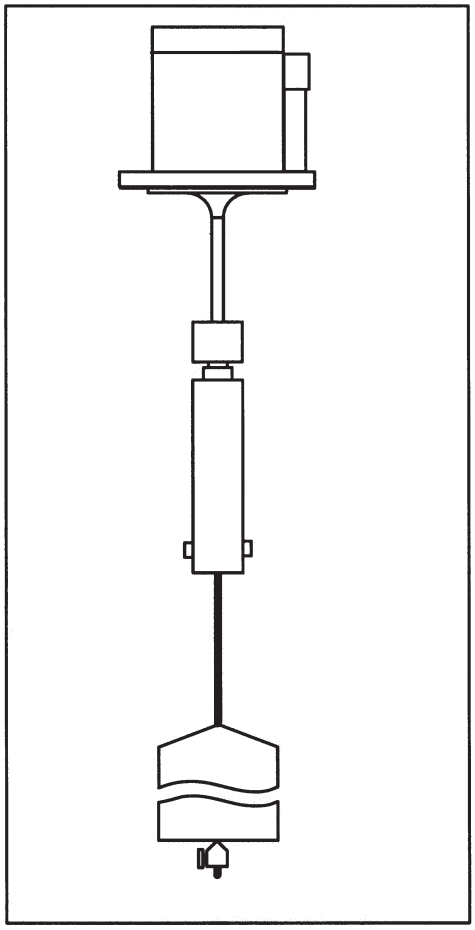
FLAMEPROOF DISPLACEMENT TYPE LEVEL CONTROLLERS WITH WIDE DIFFERENTIAL

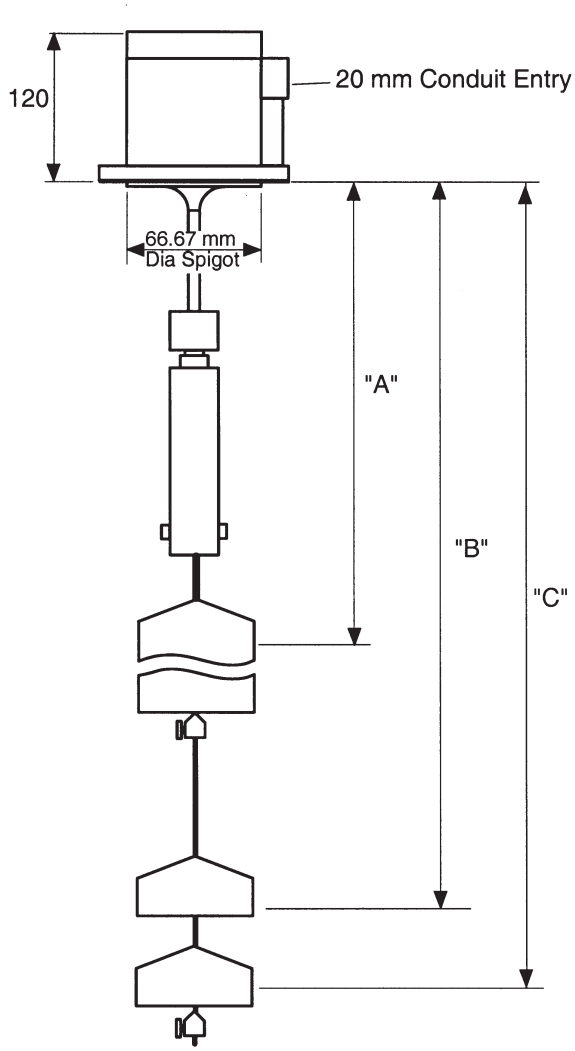


- Single or Double Displacers
- Weatherproof to IP 65
- Up to 10 Metres Tank Depth
- Use with Viscous Liquids
- High and Low Alarms
- Stainless Steel Housing
- Approved to BS5501 IIC T6
- Pump Control

The displacement type float switch is based on the principle that a solid body immersed in a liquid is subject to an upthrust equal to the weight of liquid which it displaces. As this load is rising or falling so the magnet will rise or fall a pre-determined distance under the influence of the balance spring, thus operating the appropriate reed switch to achieve the requisite condition.

The switch is fitted with two separate reed switches so that it can accomodate a high level alarm together with pump control over a wide band. The available reed switches are detailed in the table below.

A range of displacers for various specific gravities can be fitted and these are independantly adjustable within the limits as specified. The standard specific gravity range is from 0.65 to 1.25 but above and below this can be made to special order.



SPECIFICATION

Materials of Construction:
- Displacer - polypropylene or Stainless Steel
- All other parts - Stainless Steel

Temperature Range:
- Maximum 80°C with PP Displacer
- Maximum 150°C with SS Displacer

Maximum Working Pressure:
- 5 Kg/cm²

Displacer Availability:
- Polypropylene: PP
- Stainless Steel: SS

Reed Switch Availability:
- See Table 1 Below

Weatherproof:
- IP65

NOTES

1) Dimension "A" has a minimum switching level 450 mm.

2) Dimension "C" has a maximum switching leve of 10 M.

TYPICAL ORDERING CODE

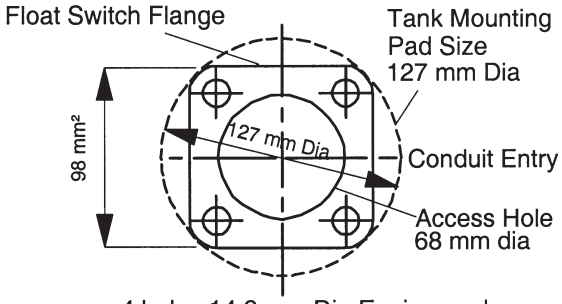
FLP/FS4740/PP/250/BOR/450/MOR/1120/BOF/35

Displacer Type
Reed Switch
Switching Action
Alarm Level
Pump on
Pump off

Specification	Reed Switch Designation	
	Single Pole Single Throw (SPST)	
Type :	250 RS7	500 RS10
Max voltage AC	250	440
Max voltage DC	250	
Max current amps	3.0	2.0*
Max wattage	250	500
Max surge amps	-	10*
Max operating temp	150°C	125°C
Min operating temp	-40°C	-50°C
Contacts	Rhodium	Tungsten

Table 1 (* at 240V)

DRILLING DIAGRAM



4 holes 14.2 mm Dia Equispaced on 98.4 mm PCD (to suit ASA 150 Flange)

Terminal Block Connections:

Contact			
Two Level	1	White	Top
	2	White	Top
	3	Red	Bottom
	4	Red	Bottom

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