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DAVEY
Accessories

Model Number:
FS750-10

WARRANTY
1 YEAR

APPLICATIONS

The FS750-10 switch can be used to control the automatic emptying or filling of sumps or tanks.

The switch can also be used to protect pumps from damage caused through loss of prime with a suitably installed float switch; when the water level drops below acceptable or safe operation levels, the switch will open contact (OFF) to stop the pump.

FS750-10 switches can directly switch single phase pumps with a full load amps rating of up to 4 amps. For pumps of larger amps ratings or three phase units a magnetic contactor or relay will be required (see models CB3 and FSB22 Davey control boxes).

FS750-10 float switches can also be used with Davey SumpMaster or other Davey controllers to provide level information to the panel.

Additionally, where FS750-10 float switches are used to protect submersible bore hole pumps installed in surface water supplies, the switch is suitable for direct connection to single phase motors up to and including 0.55kW (¾hp).

SUBMERSIBLE FLOAT SWITCH

FEATURES & BENEFITS

Davey model FS750-10 float switches are hermetically sealed, double chamber design products of world-wide proven reliability. The FS750-10 has a H07RN-F rubberised lead to allow those switches to operate in chlorinated water etc.

Utilising the proven system of the captive steel ball and micro switch design, model FS750-10 switches are capable of switching up to 10 amps resistive load or 4 amps motor load.

FS750-10 PVC has PVC outer sheath and is suitable for chlorine free or raw water. It also has a 10A switching capacity for a 4A resistive lead.

The model FS750-10 switch comes complete with 10m's of 3 core waterproof lead - a common and a normally open and a normally closed connection. The switch is suited to "emptying" (low water level cut-out) or "filling" (high water level cut-out). In the rest position with the float at 45° or more from horizontal, the circuit's are in one position. As the float rises, it is not until the float has attained 45° above horizontal that the circuits will swap to the alternate.

In order for the float switch to operate successfully it should be anchored to pivot on a firm object such as a pump, pipework, post, wall or even pivoted from the included weight. Care should be taken to ensure the float and lead are free to move for correct operation.

As a guide, the table below indicates the estimated maximum height between open (OFF) and close (ON) circuit:

LEAD LENGTH FROM PIVOT TO FLOAT (mm)	ESTIMATED MAXIMUM HEIGHT DIFFERENTIAL (mm)
300	420
400	560
500	700
600	840
750	1060
1000	1400
1500	2100
2500	2800
3000	4200

PLEASE NOTE THAT THE WIRING OF ELECTRICAL CONTROL EQUIPMENT SHOULD ONLY BE UNDERTAKEN BY SUITABLY QUALIFIED PERSONNEL

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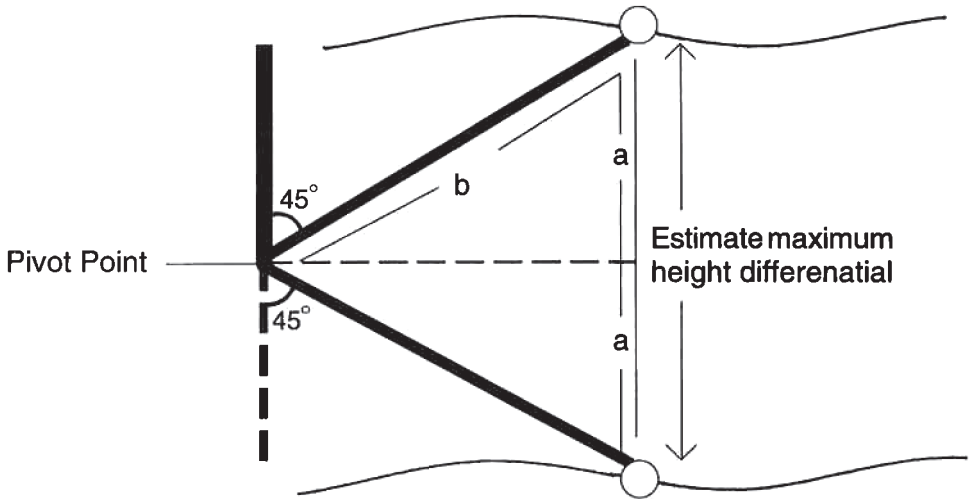
FLOAT LOCATION - HEIGHT DIFFERENTIAL



a. This is the distance above or below the pivot at which the circuit will switch over.

b. The lead length

H/O & MFG SCORESBY
Certified System Quality ISO 9001
Certified System Environment ISO 14001

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