

FIXED FLOW SETTING FLOW SWITCH

MODEL NO. FS-4D

The FS -4D flow switch is a magnetically actuated inline flow switch. This flow switch has only one moving part and it can be used on many industrial liquids, it has good accuracy and are very cost effective. This Flow switch operates only after sufficient amount of flow is appeared in the flow switch (as per the set point) , after the enough flow passes through the flow

switch the spring loaded plunger displaces in flow direction and actuates the Reed switch to give signal. Similarly when the flow decreases the plunger moves backwards and deactivates the reed switch. The FS-4D has generous internal clearances for reliability. The FS-4D is available standard with $\frac{1}{2}$ " BSPF connections and in SS316 material.

In FS-4D flow switch the reed switch is hermetically sealed and it has better sensing accuracy.

**TECHNICAL SPECIFICATIONS:**

Dimensions	:	103 L x 28 D x 38 H (in millimetres)
Reed Switch	:	1Amp. 110VAC/DC SPDT (NO+NC+COMMON) Reed switch.
Electrical Connection	:	Cable - 500 mm long (longer cable can be provided on request)
Set point Accuracy	:	3.5%
Max. Temperature	:	80°C
Max. Pressure	:	200 bar.
Pressure drop, typical	:	<0.1 bar at set point, <0.7 bar max
Set point	:	min 0.5 LPM to 15 LPM max
Wetted Parts	:	SS316
Plunger	:	SS316
Spring	:	SS316
Connections / Length	:	$\frac{1}{2}$ " BSP FEMALE

INSTALLATION & MAINTENANCE

The FS-4D switch can be mounted in any position except downward position. The mounting orientation will affect the set point by $\pm 5\%$

Although FS-4D does not require any maintenance if the liquid is clean and clear. And if it is required then the assembly can be cleaned by removing a threaded ring from outlet and then removing the complete float assembly. And reversing the same procedure to assemble the flow switch after cleaning.

You can also call us if any assistance is needed while maintenance.

Authorised Dealer**NK Instruments Pvt. Ltd.**

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