

FF(LF) SIDE MOUNTING FLOAT SWITCH OPERATION MANUAL

PRINCIPLE

Employ theory of liquid buoyancy for the main principle of "FF" series. With change of liquid level the float travels up and down. The reed switch inside the enclosure acts by the affect of magnet on pivot. The same theory applies to micro switch . Utilize the interaction between magnets of pivot and micro switch to activate micro switch.

SPECIFICATION

1.Operation Temp. : -10°C~80°C (FF8 Acid/ Alkali)
 -10°C~100°C (Standard)
 -40°C~200°C (FF20 High Temp.)
 -40°C~350°C (FF62DFM)

Contact Rating : 1) 5A/250 Vac (Micro Switch)
 2) 20W 220Vac/200Vdc (Reed Switch)

Contact Form : SPDT 、 DPDT (FF12CEM)

INSTALLATION

1. The cable duct must face downward.
2. The float and extension rod must be inserted into a bin completely.
3. Check the liquid object's S.G. before installation.
4. The mounting hole must be larger than that of float.
5. Don't to mount the devices near the bin's inlet or outlet.
6. The float & pivot moves (Up & Down) for 28°(FF62DFM: 22°).
7. When the float move to horizontal position, the switch will be turned on or off.
8. The diameter and length of the connecting pipe of tank are in a direct ratio.

Please refer it as below :

Pipe Dia.	45~50mm	50~55mm	55~60mm	60~65mm	65~70mm
Pipe Length(Max.)	130mm	140mm	150mm	160mm	170mm

9. Tolerance of the total product length is ± 5 mm

Trouble-Shooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
The float doesn't working	The pivot is blocked by granule The outer linking pipe is too long to make pivot function The float is blocked and inundated.	Clean out the bitty or granule Shorten the length of outer linking pipe. Replace the float.
No signal output	Cable connection problem	Check the cable connection
	Reed Switch is damaged	Replace the reed or micro switch

*Shall the trouble not to be rooted-out, please contact us.

MAINTAIN

- 1) Clean out the bitty or granule from float & pivot regularly.
- 2) Please check & fix all components into correct position.

BEFORE USE / OPEN CHECK

- 1) Please check the packing situation.
- 2) Please contact us while find the damage.
- 3) Please check carton content :
 - a)One set of Complete Product.
 - b)One set of Operation Manual.
 - c)One set of QA certificate.



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