

► **Float Sensor**

**FS8- 35 M / N Series**



PVDF



PP

► **Switch Specifications of 35M / N Series**

Characteristics	Contact Type	Unit	(0) Normal Open	(1) High Power	(2) Normal Close	(8) High Voltage
• Contact Rating (max)		W	10	70	10	20
• Switching Voltage DC (max)		V	200	200	200	350
• Switching Voltage AC (max)		V	150	250	150	240
• Switching Current (max)		mA	500	1000	500	500
• Carry Current (max)		A	1.0	1.75	1.0	1.5
• Breakdown Voltage (min)		V	250	400	250	600
• Contact Resistance (max)		mΩ	120	150	120	120
• Operating Temperature (max)		°C	-20~80	-20~80	-20~80	-20~80

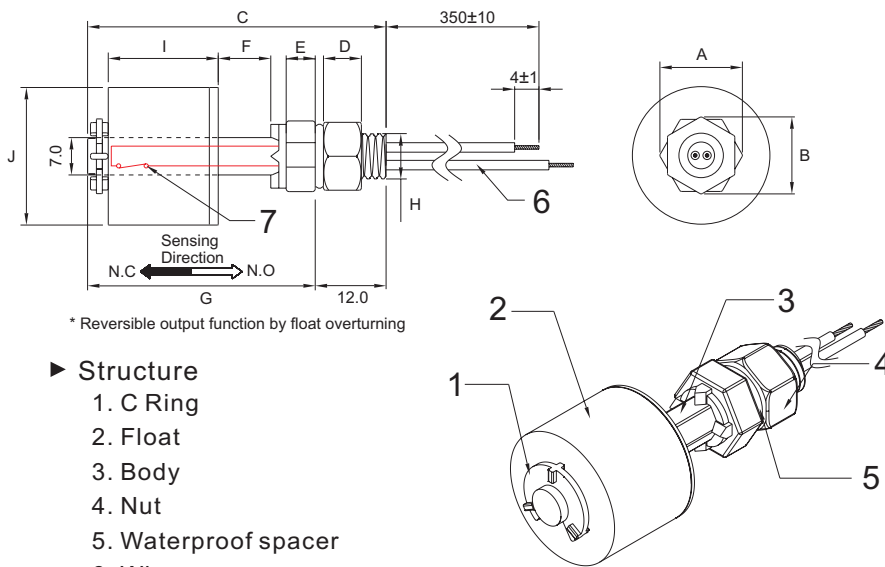
► **Switch Types**

**Table 1**

<p>White White</p> <p>0 : Normal Open - A Type</p>	<p>Red White</p> <p>1 : Normal Open - A Type Hi Power</p>	<p>Red Red</p> <p>2 : Normal Close B - Type</p>	<p>Gray White</p> <p>8 : Normal Open - A Type Hi Voltage</p>
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► **Dimensions**

Unit : mm Tolerance ±0.4



\* Reversible output function by float overturning

► **Structure**

1. C Ring
2. Float
3. Body
4. Nut
5. Waterproof spacer
6. Wire
7. Reed Switch

► **Body Dimensions**

Series	M	N
A	13.9	17.2
B	12.8	17.5
C	49.7	48.9
D	6.4	7.9
E	4.8	4.0
F	9.0	8.7
G	38.0	36.9
H	M8	NPT 1/8

► **Float Dimensions**

Series	Material	AB	PF	PPP	PPH
I		19.0	18.3	16.5	18.5
J		23.7	22.6	21.6	22.6

► **Thread Gauge**

**Table 2**

Gauge	Series	M	N
M8		●	—
NPT 1/8		—	●

► **Plastic Properties**

**Table 3**

Material	Property	Float Specific gravity	Water absorption	Rockwell Hardness	Izod impact strength	Heat distortion temperatures
PPH \ PPP		0.52 \ 0.68	1.4 % (ASTM D955)	97 R Scale (ASTM D785)	3.5 Kg-Cm/Cm (ASTM D256)	98 °C (ASTM D648)
PVDF		0.92	---	80 D (ISO 868)	120 J/m (ISO 180)	108 °C (ISO 75)
ABS		0.69	0.3-0.6 % (ASTM D955)	102 R Scale (ASTM D785)	40Kg-Cm/Cm (ASTM D256)	87 °C (ASTM D648)
Test Conditions		---	---	—	23°C (73°F)	18.6kg/cm <sup>2</sup> (264 psi)

► **Wire Specifications**

**Table 4**

Material	Series	Description	Diagram
PVC or PVDF	Normal	Tinned leads	
PVC or PVDF	Cont	JST XH2.5	

► **Ordering Information**

A Complete part number is represented by the digits below :

**FS8-35 - X X - XX X - XX XX**

① ② ③ ④

- ① : Switch Type - Table 1 (0,1,2,8)
- ② : Thread Gauge - Table 2 (M,N)
- ③ : Material - Table 3 (PP=PP;PF=PVDF)
- ④ : Wire Specifications - Table 4 -Material(PV=PVC ; PF=PVDF) -Series(NO= Normal ; CN=Cont)

Float Material :  
P=PPP ; H=PPH  
(P:Solid ; H:Hollow)

☆☆☆ **The wires are not aligned at the end** ☆☆☆