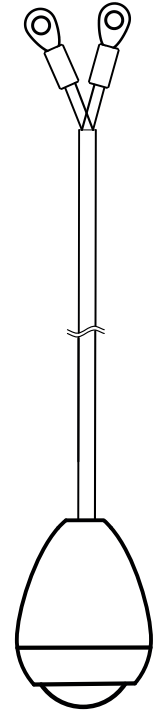


Mini-Float Switch Lead Switch type EHFR-1x6s Type Instruction Manual



Thank you for purchasing the float switch EHFR-1x6s type.
 This instruction manual provides information for the constructor to safely use this sensor.
 Always read this manual thoroughly and fully comprehend the contents before starting work.
 Please keep this instruction manual in a handy place for quick reference.

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Special Notes

1. Do not use this product out of the specifications.
 Failure to observe this could result in damage or false operation.
2. Always turn the power OFF and make sure that power is not being supplied before starting to service.
 Failure to observe this could result in electric shocks or injuries.
3. Please install the float switch at the place as far as possible from inflow entrance.
 Please pay attention that the float switch is installed not to touch to wall of tank, pump, pipe, and motor cable.
 Failure to observe this could result in false operation.

Precautions for using this product safely and for preventing personal injuries or physical damage are given in this manual.

The precautions are classified as "Warning" and "Caution" to alert of the degree of injury or damage that could occur if handling is mistaken.

In either case, these are important matters related to safety, and must be observed.



Warning: Details which if ignored could lead to fatalities or serious injuries.



Caution: Details which if ignored could lead to personal injuries or physical damage.

[1] Introduction

Check the following items after the float switch has been delivered.

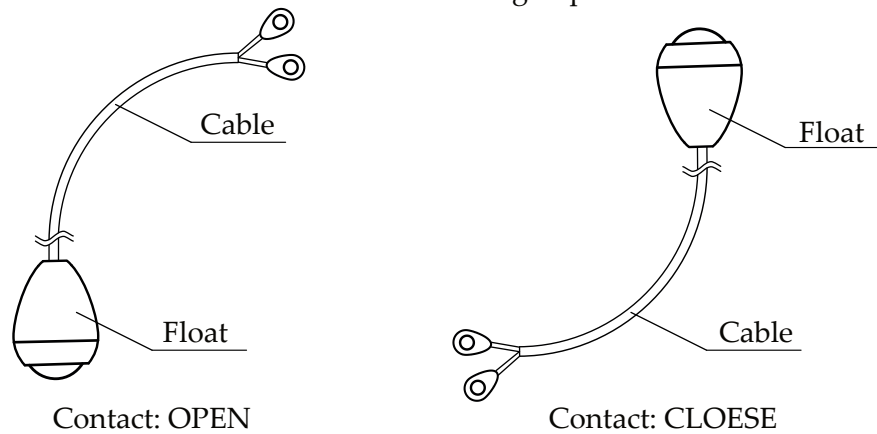
Check the nameplate to ensure that the correct float switch has been delivered.

Check that no parts have been damaged during transportation.

Check the operation of float switch.

The way of check is as follows

1. Connect a tester to wire of the float switch.
2. Check the condition of contact when the float switch go up and down.



[2] Specification



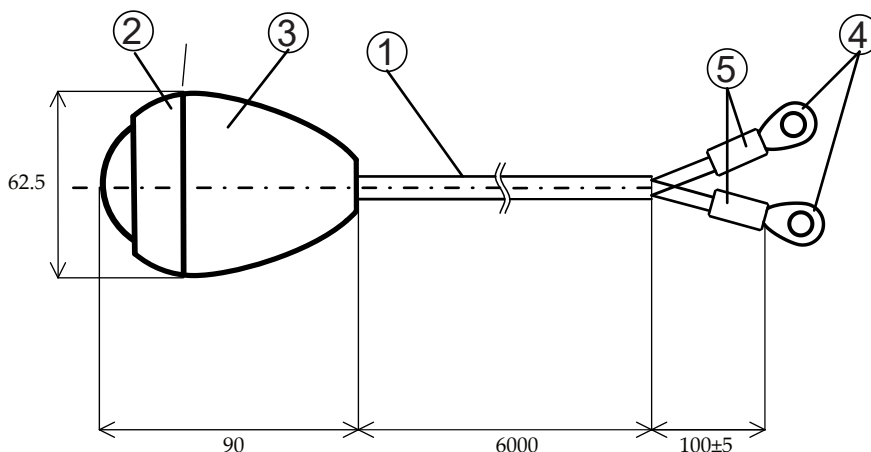
Caution

1. Do not use this product out of the specifications.
Failure to observe this could result in damage or false operation.

Table.1. EHFR-1x6s type Specification

Temperature		-10°C ~ 60°C
Switch capacity	Max. Capacity	AC10VA, DC10W
	Max. Current	0.5A AC/DC
Rated voltage		30V AC/DC
Min. control wire length		50mm

[3] Product Configuration



No.	Part name	Remarks	Q'ty
1	Power Cable	CVF 2x 0.2mm ²	1
2	Float head	Orange	1
3	Float body	Orange	1
4	Terminal	FV1.25-M4	2
5	Tube		2

Note: Weight is special accessories.

[4] Install



Caution

1. Please install the float switch at the place as far as possible from inflow entrance.
Please pay attention that the float switch is installed not to touch to wall of tank, pump, pipe, and motor cable.
Failure to observe this could result in false operation.

1. Please use EHFR-1x6S under the maximum capacity AC10VA, DC 10W.
2. The minimum control wire length is 50mm (Reffer Fig.1)
3. The weights need to be assmenble with EHFR-1x6S. Please note the weight is special accessories. If you need the weight, please let us know or buy a weghit yourself. For your infromation, the samples of assembling EHFR-1x6S with weigt are Fig.2 and Fig.3
4. The cable of EHFR-1x6S need to be secured.

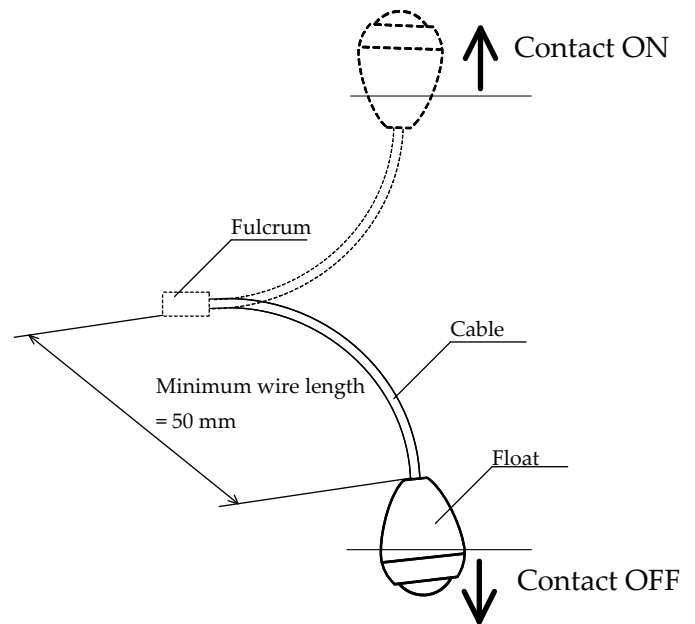


Fig.1 EHFR-1x6S control wire length

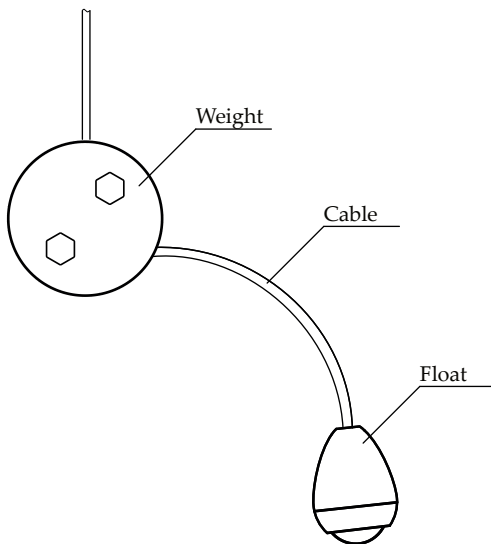


Fig.2 Example 1

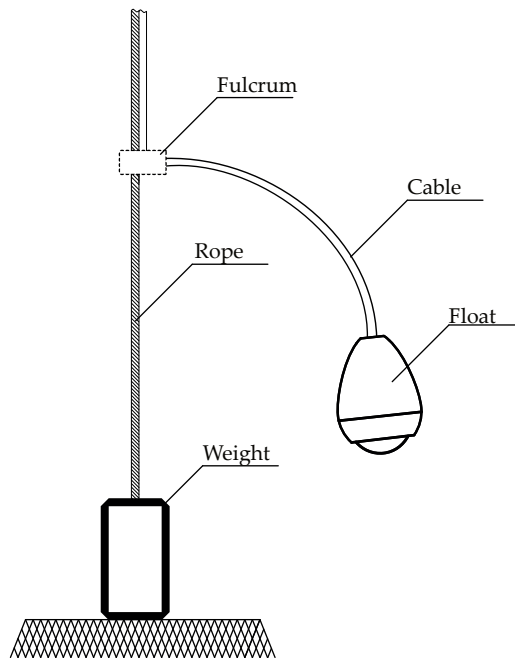


Fig.3 Example 2

[5] Electric work



Caution

1. Always turn the power OFF and make sure that power is not being supplied before starting to service.
Failure to observe this could result in electric shocks or injuries
1. After the float switch is wired, please confirm that it works correct operation by moving the float switch up and down.
2. The exampl of wiring diagram is as follows.
The below terminal is from our contorol panel ECDW-P-S type.

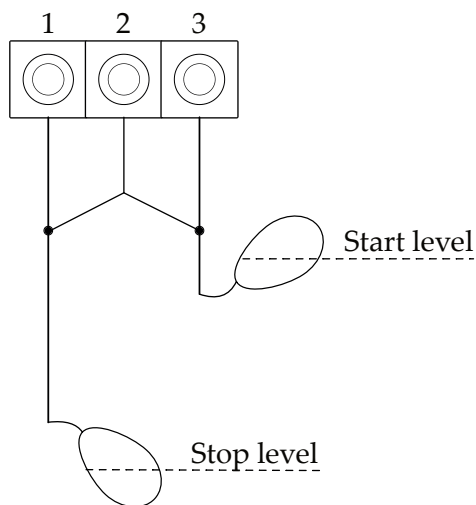


Fig.4 Example 4



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