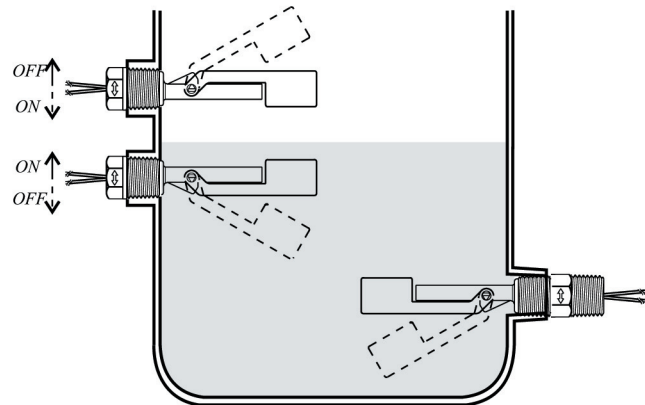


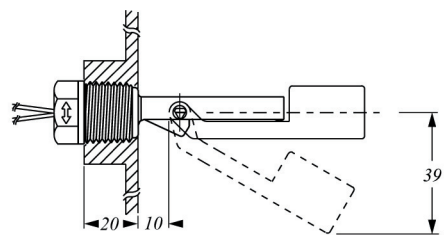
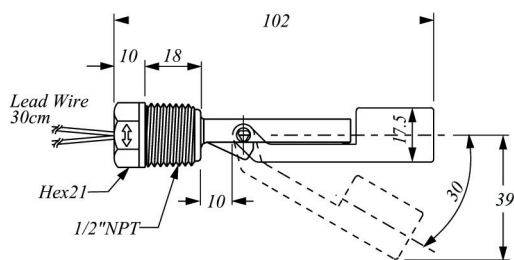
PLASTIC OH TYPES

► RF-OH4 / OH5

Installation / N.C. / N.O. Action Position

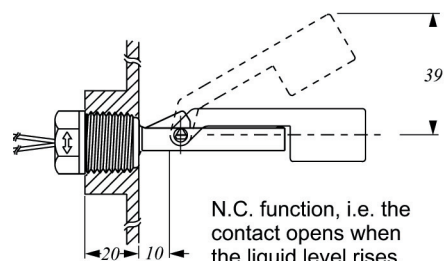
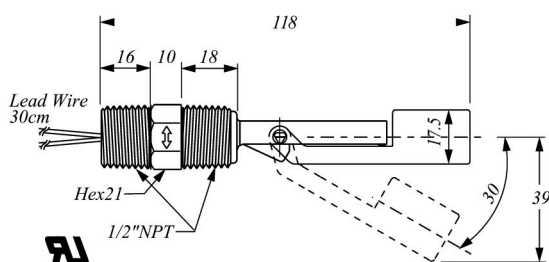


RF-OH41



N.O. function, i.e. the contact closes when the liquid level rises.

RF-OH51



N.C. function, i.e. the contact opens when the liquid level rises.

SPECIFICATIONS

| Type | Material | Switching Capacity Max. | Switching Voltage Max. | Switching Current Max. | Lead Wire | Max. Pressure | Operating Temp. | Suitable Sp. Gr. | Weight |
|----------|----------|-------------------------|------------------------|------------------------|------------|----------------------|-----------------|------------------|--------|
| RF-OH41D | PP | 50W/SPST | 240VAC | 0.5A | XLPE 22AWG | 4 kg/cm ² | -20~80 C | 0.65 | 20g |
| RF-OH51D | | | 200VDC | | | | | | 25g |

PLASTIC OH TYPES

► RF-OH2 / OH3



For models RF-OH2 and OH3, three different types of material are available PP, Nylon, and PVDF.

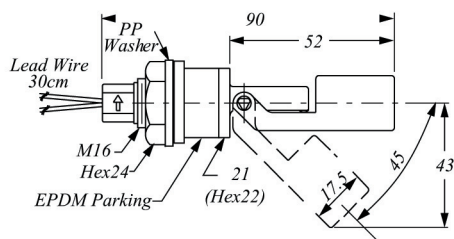
The special lead wire or cable can be supplied according to the requirement of the customer.

The customer can select the type of reed switch which they require.

For specifications of the standard design see catalog (page 8).

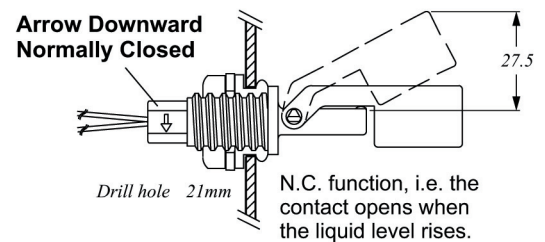
OEM customers are welcome.

Standard RF-OH21DO(Round) RF-OH21DD(Hexagon)

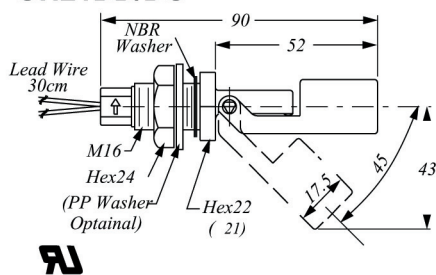


Installation / N.C. / N.O. Action Position

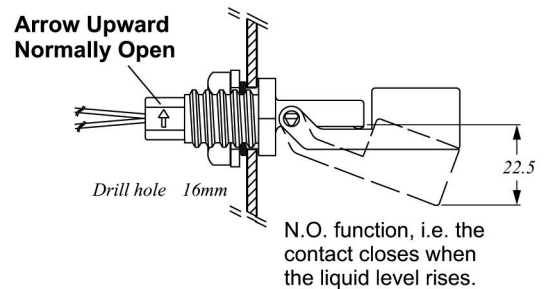
[External mounting]



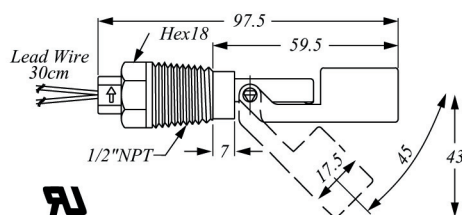
Optional RF-OH21DD/DO



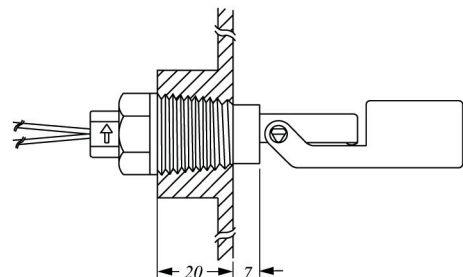
[Internal mounting]



RF-OH31

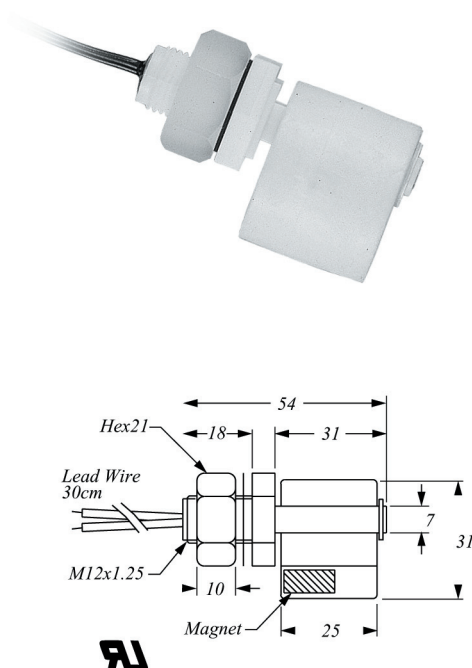


[External mounting]

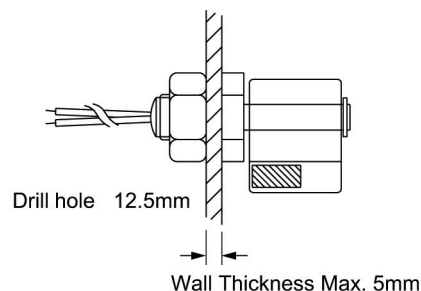


PLASTIC OH TYPES

► RF-OH1

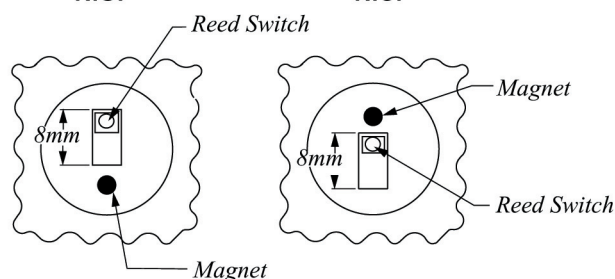


Installation / N.C./ N.O. Action Position



Normally open
N.O.

Normally closed
N.C.



All the products in this range come with the UL E161587 approval.

All the products in this range are designed to be mounted on the side.

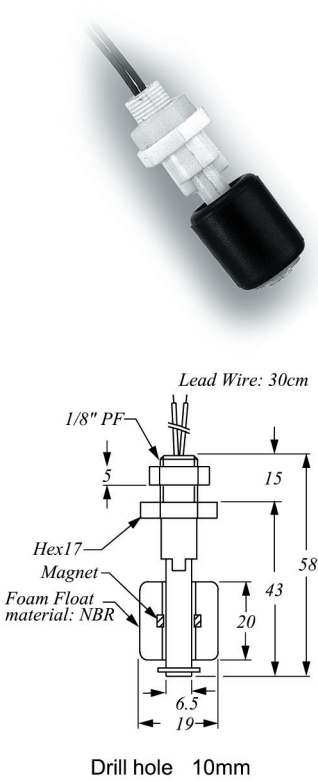
For the specific gravity of water is used as a reference point in calculating specific gravity.

SPECIFICATIONS

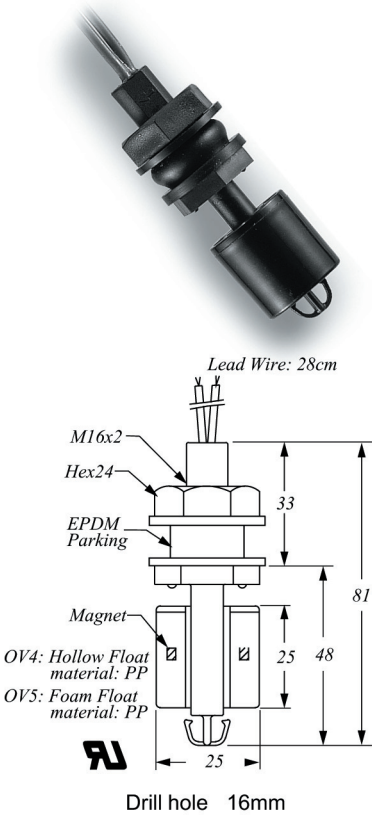
| Type | Description | | | |
|-------------------------------------|-----------------|------------------------|----------------------|----------------------|
| | RF-OH11D | RF-OH21D RF-OH31D | RF-OH23D RF-OH33D | RF-OH24D RF-OH34D |
| Switching Capacity Max. | 50W | | | |
| Switching Voltage Max. | 240VAC / 200VDC | | | |
| Switching Current Max. (A) | 0.5A | | | |
| Carry Current Max. (A) | 1A | | | |
| Lead Wire | PVC AWG22 | XLPE AWG22 | | |
| Max. Pressure (Kg/cm ²) | ATM | 4 | 2 | |
| Operating Temperature | -20~80 C | | -20~120 C | |
| Material | PP | | PVDF | Nylon |
| Suitable Specific Gravity | 0.78 | 0.75 | 0.85 | 0.8 |
| Weight | 25 g | OH2: 22 g OH3: 21 g | 25 g | 23 g |

PLASTIC OV TYPES

► RF-OV12



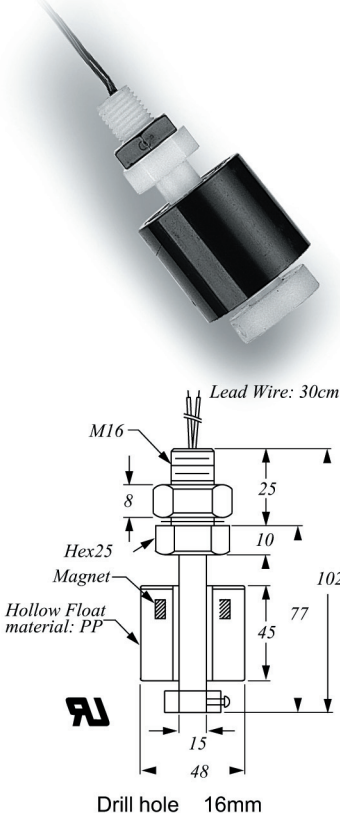
► RF-OV41, 51



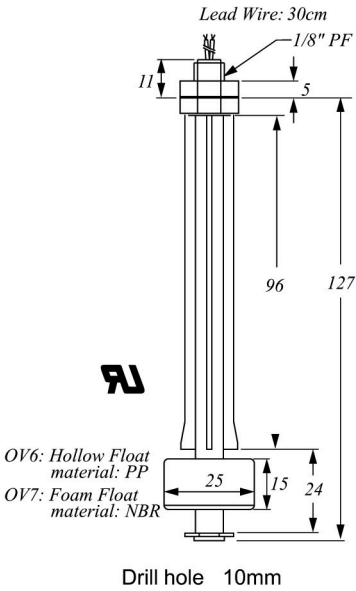
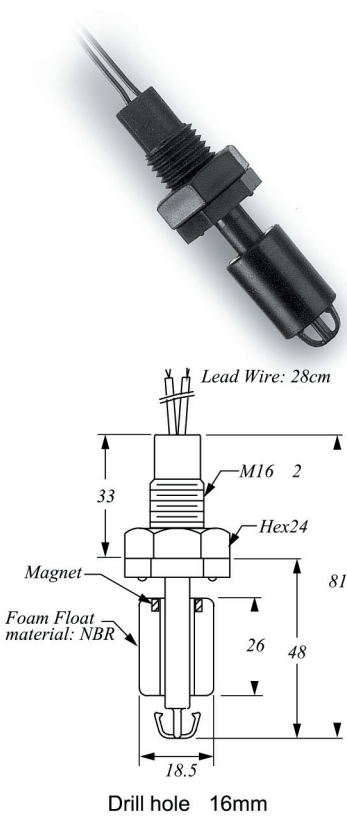
► RF-OV61, OV72



► RF-OV81

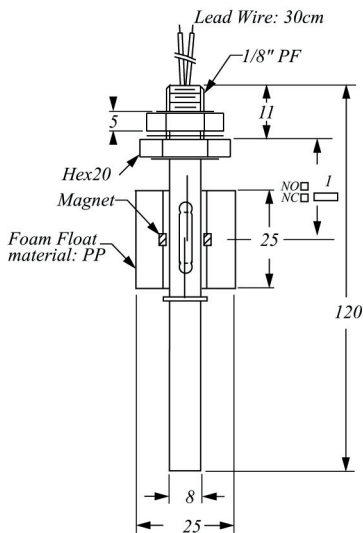


► RF-OV92

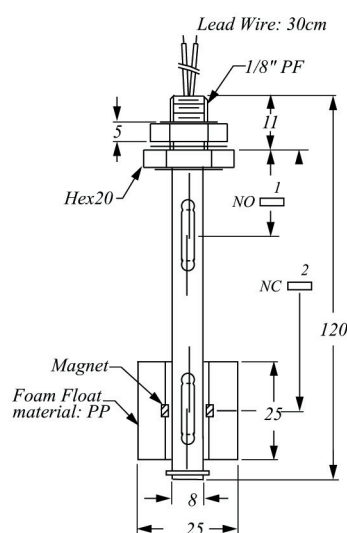


PLASTIC SPECIAL TYPES

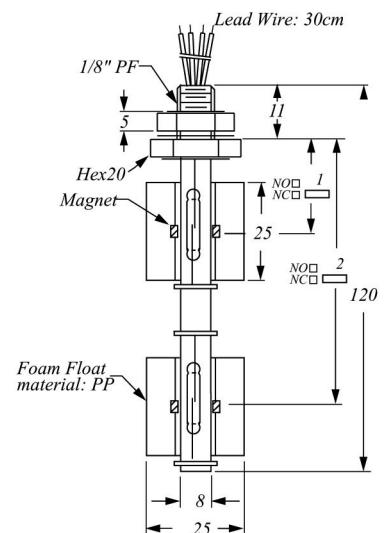
► RF-PV1



► RF-PV2



► RF-PV3



NOTE: Float material can be optional.

Above items are done by custom-built when the standard specification is unable to be coped with their unique demand. There are with below special benefits:

RF-PV1 One float for one level activation switch location by custom-order.

RF-PV2 One float with 2 reed switches, applicable for high / low two level activation, especial design by one float to drive two contacts activation.

RF-PV3 Two floats drive with two independent reed switches, the compared difference with RF-PV2 base on below character : Each one float unit can be performed by N.O. or N.C. level activation as per customer's option.

How To Order – Select Part Number based on specifications required.

| Stem and Mounting Material | Float Material | Float Dia. | Actuation Level ¹ | Min. Liquid Sp. Gravity | Pressure Max. @ 70°F (21°C) | Operating Temperature | Mounting Type | Electrical Termination | Part Number |
|----------------------------|------------------------|------------|------------------------------|-------------------------|-----------------------------|---|---------------|----------------------------|-----------------|
| Polysulfone | Polysulfone | 1" | 3/4" (19.0 mm) | .75 | 50 psi (3 bar) | -40°F to +225°F (-40°C to +107°C) | 1/8" NPT | Lead Wires | 42295 ⚡ |
| Polypropylene ² | Polypropylene (Hollow) | 1" | 13/16" (20.6 mm) | .60 | 50 psi (3 bar) | -40°F to +225°F (-40°C to +107°C) | 1/8" NPT | Lead Wires | 142505 ⚡ |
| | | | | | | | 3/8"-16 | Lead Wires | 171517 |
| | | | | | | -40°F to +176°F (-40°C to +80°C) | G 1/8"-28 | Cable | 171518 |
| | | | | | | | M12x1.75 | Cable | 189739 |
| | Polypropylene (Solid) | 1" | 9/16" (14.3 mm) | .90 | 150 psi (10 bar) | -40°F to +150°F (-40°C to +66°C) | 1/8" NPT | Lead Wires | 116826 ⚡ |
| | | | | | | -40°F to +176°F (-40°C to +80°C) | 3/8"-16 | Lead Wires | 171514 |
| Nylon | Buna | 1" | 13/16" (20.6 mm) | .45 | 150 psi (10 bar) | -40°F to +250°F (oil) (-40°C to +121°C [oil]) | 1/8" NPT | Lead Wires | 162745 ⚡ |
| | | | | | | -40°F to +176°F (-40°C to +80°C) | M12x1.75 | Cable | 189786 |
| | | 3/4" | 11/16" (17.5mm) | .85 | 150 psi (10.3 bar) | -40°F to +250°F (oil) (-40°C to +121°C [oil]) | 1/8" NPT | Lead Wire | 177818 |
| PVDF | PVDF | 1" | 1/2" (12.7 mm) | .86 | 50 psi (3 bar) | -40°F to +250°F (-40°C to +121°C) | 1/8" NPT | Teflon Jacketed Lead Wires | 173250 |

Notes: ⚡ – Stock Items.
 1. Based on a liquid specific gravity of 1.0.
 2. All

3/4" Diameter Floats for Tiny Tanks

Our smallest LS-3 yet!

- ▶ Reliable alternative to more expensive electronic sensors.
- ▶ Fits smaller devices. Less material, lower cost.
- ▶ Proprietary float more buoyant than competitors.

Small yes, but with BIG performance. No other 3/4" float switch on the market matches our LS-3 specs. These units are ideal for potable water, medical devices and other compact appliances, such as printers. Gems proprietary float enables use in lighter-than-water fluids. NSF/ FDA compliant models available at your request. Please consult factory.

Specifications

| | |
|------------------------------------|---|
| Wetted Material | |
| Stem and Mounting | |
| P/N 201540 | Polypropylene with Kynar retaining clip |
| P/N 177818 | Nylon |
| Float | |
| P/N 201540 | Polypropylene |
| P/N 177818 | Buna-N |
| Operating Temperature, Max. | |
| P/N 201540 | 212°F (100°C) |
| P/N 177818 | 250°F (121°C) |
| Pressure, Max. | |
| P/N 201540 | Atmospheric |
| P/N 177818 | 150 psi (10.3 bar) |
| Color | White |

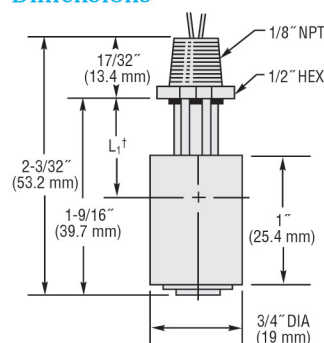
Order by Part Numbers:

LS-3, 3/4" Polypropylene Float: 201540

LS-3, 3/4" Buna-N Float: 177818



Dimensions



† L₁ = Actuation Level (see chart above)