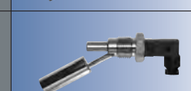
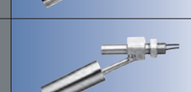
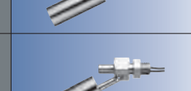
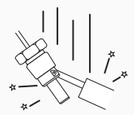
Model	Outside view	Material			Specs.			Electric Specs. (DC/AC)		
		Stem	Float	Nut	Temperature Range / Atm. Pressure (℃)	Pressure Resistance / Room Temp.(MPa)	Specific Gravity of the liquid	Max. Contact Capacity	Max. Voltage	Max. Current
RFS -11A		SUS304			-40℃ ~ +120℃ ℃	0.5	Heavier than 0.8	50W	300V	0.5A
RFS -12		SUS304		—	-40℃ ℃ ~ +120℃ ℃	0.5	Heavier than 0.8	50W	300V	0.5A
RFS -12P		SUS304		—	-40℃ ℃ ~ +120℃ ℃	0.5	Heavier than 0.8	50W	300V	0.5A
RFS -11H		SUS304			-40℃ ℃ ~ +180℃ ℃	0.5	Heavier than 0.8	50W	300V	0.5A
RFS -12H		SUS304		—	-40℃ ℃ ~ +180℃ ℃	0.5	Heavier than 0.8	50W	300V	0.5A
RFS -13		SUS304			-40℃ ℃ ~ +120℃ ℃	0.5	Heavier than 0.9	1W	24V	0.1A
RFS -14		SUS304		—	-40℃ ℃ ~ +120℃ ℃	0.5	Heavier than 0.9	1W	24V	0.1A

⚠ CAUTIONS!

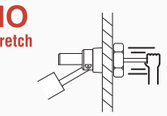
Please pay attention to the following conditions and handlings in order to apply level switches correctly.

NO Shock



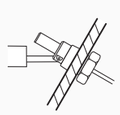
Please do not drop, otherwise the characteristic might be changed.

NO Stretch



Please do not pull cables strongly otherwise the characteristic might be changed.

NO Slant Way

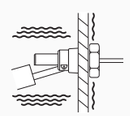


Please do not mount slant way, otherwise floats do not work correctly.

NO Vapour on Cables

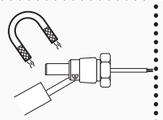
In case vapour splash cable potting points, insulation problem may be caused.

NO Vibration



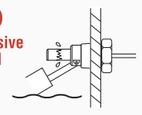
Vibration may cause chattering.

NO Magnet



Please keep away from magnetic field, otherwise it might be misoperated.

NO Corrosive Liquid

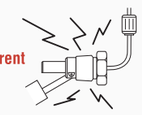


Please avoid using with liquids which damage materials of parts otherwise quality can not be maintained accurately.

NO Sink Whole Part

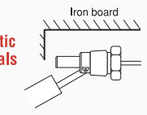
Please do not dip cables potting points into liquids, otherwise insulation problem may be caused.

NO Close to Over Current



In case connecting with motors directly, over ampere cause switching problem.

NO Magnetic Materials



Please keep away from magnetic materials like iron board, otherwise the characteristic might be influenced.

RIKO Float Technology co.,ltd.

No.2-52, Higashi 2-chome, Nakanocho,
Tondabayashi, Osaka, 584-0022, Japan.
◆TEL:81-(0)721-26-0511
◆FAX:81-(0)721-25-8210
◆E-mail:riko@riko.co.jp ◆http://www.riko.co.jp

Remarks: *Please be noted that the specifications and the appearances of the products may be changed without prior notice.
*Please accept that the colors of the products on the catalogs may appear a little different from their actual ones.

2013.10.3000(Z)

Types

RFS-11A·11H
RFS-12·12P·12H
RFS-13 , RFS-14

RFT
RIKO Float Technology co.,ltd.

LIQUID LEVEL FLOAT SWITCHES

ALL STAINLESS STEEL, SIDE-MOUNTED TYPES

High Class in
DURABILITY &
CREDIBILITY

RFS LIQUID LEVEL FLOAT SWITCHES

ALL STAINLESS STEEL
OUTSTANDING DURABILITY & CREDIBILITY

RFS-12

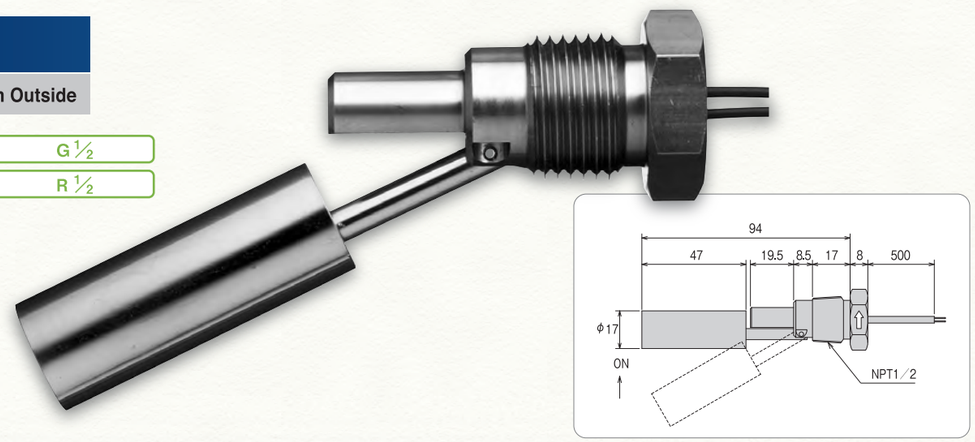
Side-Mounted from Outside

Three Screw Types

G 1/2

NPT 1/2

R 1/2

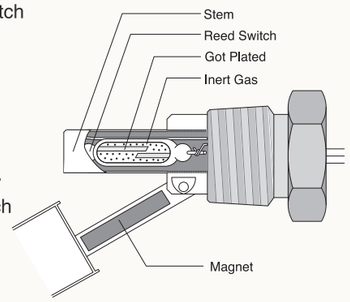


Merits of Level Switch

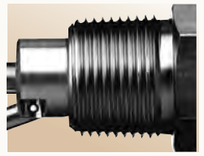
- Less Troubles with Simple Structure
- Compact Design
- Long Life Span and Precise Repeatability
- No Maintenance Cost
- Good for Non-Conductive Liquids
- Stable Switching Point
- Comparatively Lower Cost

Basic Structure & How to Work

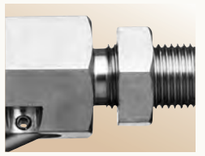
A Reed Switch is set inside of the stem as indicated in the picture.
" The Contacts of the Reed Switch will be activated by the Magnet, which is set inside of Float."
Inert Gas is sealed up inside of the reed switch to prevent the activation and the corrosion.
The Contacts of the Reed Switch have got plated.



Connection Types



from Outside



from Inside

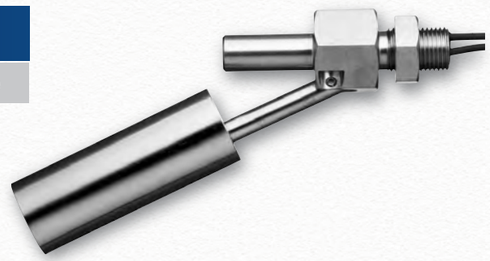
with Terminal

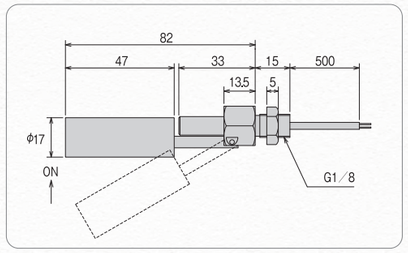
Full Line-up for Broad Needs

RFS-11A

Side-Mounted from Inside

G 1/8



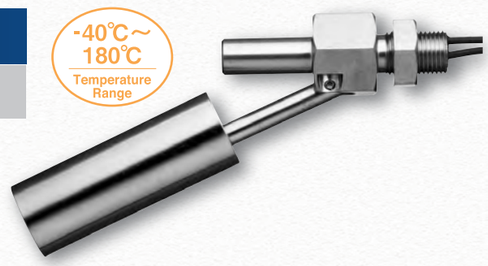


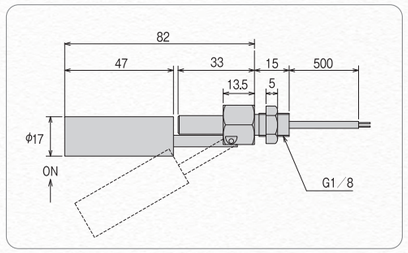
RFS-11H

Side-Mounted from Inside
High Temp.

-40℃～180℃ Temperature Range

G 1/8

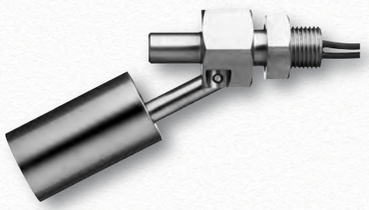


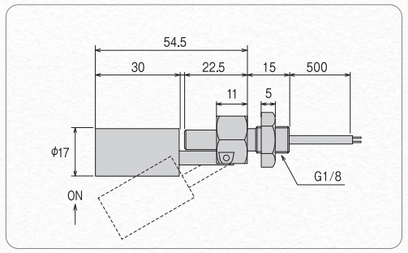


RFS-13

Side-Mounted from Inside
Smallest Type

G 1/8

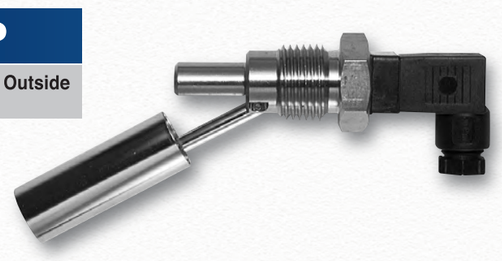


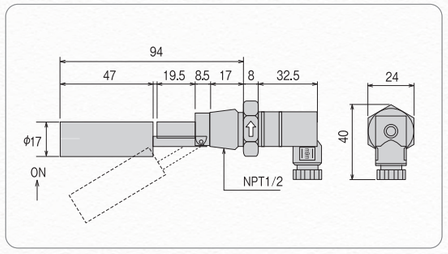


RFS-12P

Side-Mounted from Outside
With Terminal

NPT 1/2





RFS-12H

Side-Mounted from Outside
High Temp.

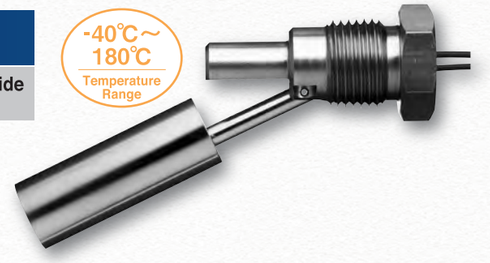
-40℃～180℃ Temperature Range

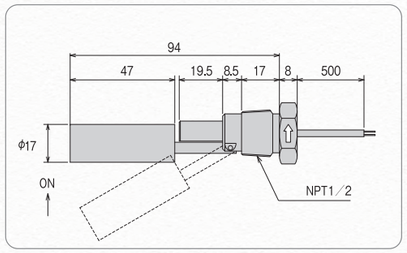
Three Screw Types

NPT 1/2

G 1/2

R 1/2





RFS-14

Side-Mounted from Outside
Smallest Type

Two Screw Types

NPT 3/4

G 3/4