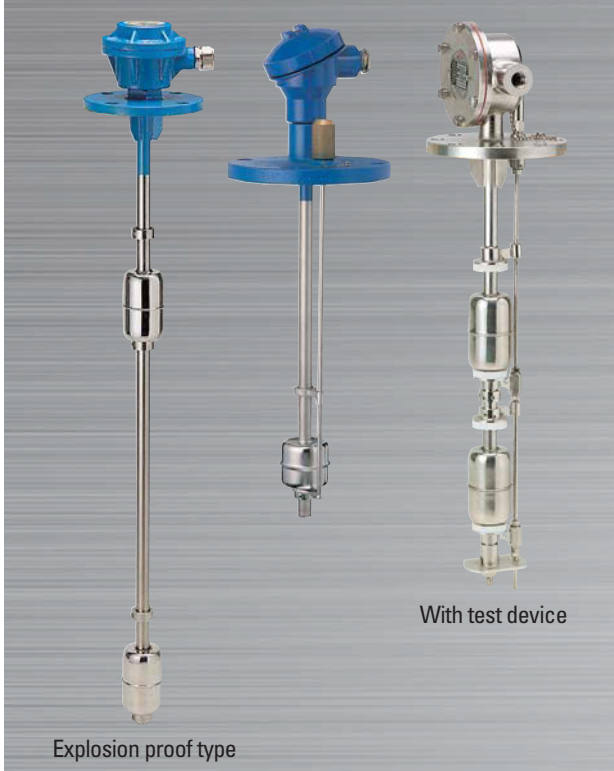


# Cargo Tank Measuring System

## Reed Switch Type Float Level Switch

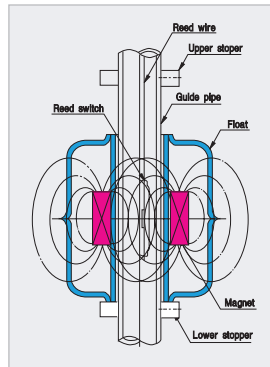


### APPLICATION

REED SWITCH TYPE FLOAT LEVEL SWITCHES are widely used for Water, Seawater, Oil and general liquids.

### OPERATING PRINCIPLE

Reed switch type float level switches have a magnet built in the float and a reed switch set inside guide pipe. The reed switch is turned on and off with the up-and-down liquid level. The two stoppers located above and below enable float shift range to limit, thereby providing a self-hold reed switch contact operation.



### FEATURES

- Compact construction
- Stainless steel and plastic models
- Totally enclosed electric parts
- Wide selection of switch functions and ratings
- Easy maintenance

### Model number code system

**TMR** - [ ] - [ ] - [ ] - [ ]

- Symbol of Reed Switch Type Float Level Switch
- Connection size
  - 4 : JIS 5K 65A FF
  - 5 : JIS 5K 80A FF
  - 6 : JIS 10K 80A FF
  - 7 : JIS 5K 100A FF
  - 8 : JIS 10K 100A FF
  - P1 : PF 1/4"
  - P2 : PF 2"
- Main application
  - 1A : High or Low alarm
  - 2A : High and Low alarm
  - 2C : High and Low control
  - 3CA : High and Mid control/Low alarm
  - 3AC : High alarm/Mid. and Low control
  - 4AC : H,H and L,L alarm /High and Low control
  - 6I : Level indicator(MAX. 6 point)
- Option
  - [T] : With test device
- Enclosure
  - [W] : Weather proof:IP56
  - [E] : Explosion proof:IP56/Exd II C T6
  - [SB] : Submersible Type:IP68
- Internal construction
  - [G] : Without float chamber
  - [C] : With float chamber
- Float size and material
  - 5S :  $\phi$  65 x 111L/SUS 304
  - 5S3 :  $\phi$  65 x 111L/SUS 316
  - 5R :  $\phi$  50 x 45L/Resin
  - 6S :  $\phi$  50 x 47.5L/SUS 304
  - 5P :  $\phi$  76 x 100L/P.V.C
  - 5RS :  $\phi$  26.5 x 25L/Resin
  - 5SS :  $\phi$  28 x 25L/SUS 304

### Standard model and specification

Model	Application	Max. press. (kg/cm <sup>2</sup> )	Max. Temp. (°C)	Mourning flange (standard)	Min. Sp.Gr	Connection	Maximum detection point	Cable entry	Contact form/Rating	Material			
										Housing	Flange	Float	Guide pipe
TMR-5□5S-G	General liquid (Oil, Water)	10	80	JIS 5K 80A	0.85	Top flange type	6	15b	SPST 250VAC,0.5A	AC	SS41	SUS304	SUS304
TMR-5□5S3-G	Anti-corrosive liquid	10	80	JIS 5K 80A	0.85	Top flange type	6	15b	SPST 250VAC,0.5A	AC	SUS304	SUS316	SUS316
TMR-4□5R-G	Low specific gravity liquid	5	70	JIS 5K 65A	0.6	Top flange type	6	15b	SPST 250VAC,0.5A	AC	SS41	Resin	SUS304
TMR-8□5P-G	Anti-corrosive liquid	3	50	JIS 10K 100A	0.7	Top flange type	6	15b	SPST 250VAC,0.5A	P.V.C	P.V.C	P.V.C	P.V.C
TMR-P1□5RS-G	Mini vessel	5	70	PF 1/4"	0.7	Thread type	2	-	SPST 250VAC,0.5A	-	-	Resin	SUS304
TMR-P1□5SS-G	Mini vessel	10	80	PF 1/4"	0.9	Thread type	2	-	SPST 250VAC,0.5A	-	-	SUS304	SUS304
TMR-4□6S-G	General liquid	10	80	JIS 5K 65A	0.85	Top flange type	6	15b	SPST 250VAC,0.5A	AC	SS41	SUS304	SUS304

#### OPTIONAL INFORMATIONS

- (1) Non-explosion proof models can be used as intrinsically safe type joined with I.S barrier.
- (2) Cable entry of 3/4" (JIS 20 a, b or c) is also available on request.
- (3) Flanges of larger nominal diameter than the standard ones are also available on request.