

Stem Mounted Multi-Point Level Switch FL Series



The FL Magnetic level switch is designed to meet demanding customer applications for liquid level sensing in rugged hostile environments. Each FL is manufactured to the users specifications making it fit to work precisely according to the application requirements.

Features

- Custom tailored to user specifications
- Long switch life
- Up to seven switch points



FL Series Specifications

Performance

- FLR: 7 Switch Points
Min. distance between levels: 1.75 in. (45mm)
- FLE: 3 Switch Points

Environmental

- Operating Temperature:
14° to 212°F (-10° to 100°C)

Certification

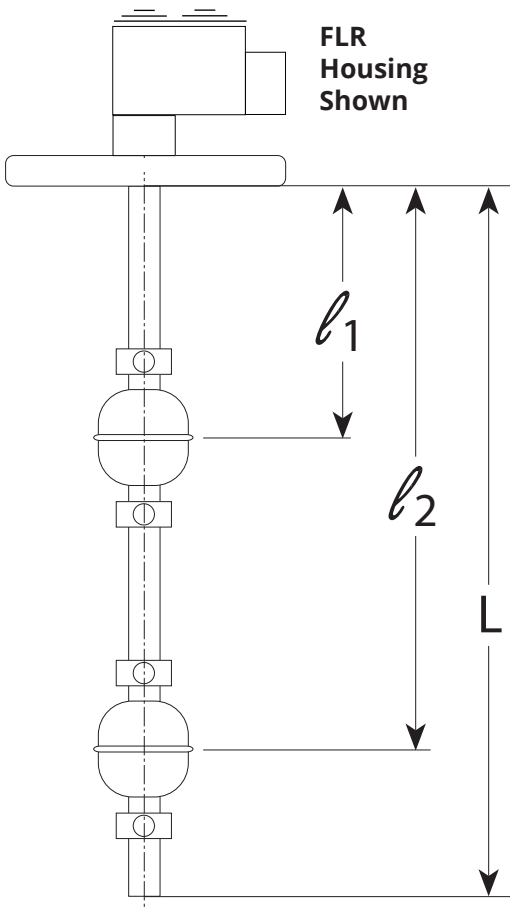
- FLE:
NEMA 4 & 7, IP65
IP43
- FLR:
NEMA 4 & 7, IP65

Electrical

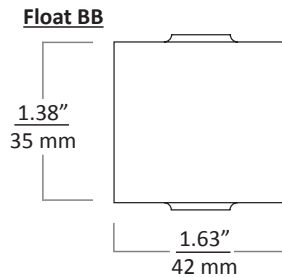
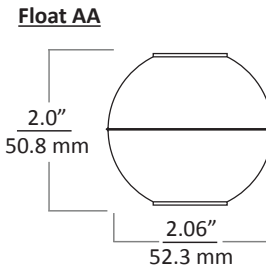
- Switch Rating:
FLE: 20 VA, 50 VA
FLR: 50 VA, 180 VA
- Max Current:
0.5 A AC
- Max Voltage:
220 VAC

Physical

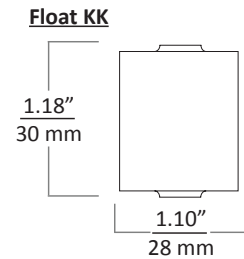
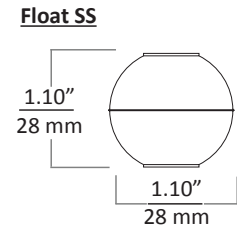
- Stem Length:
FLE: 24 in. (610 mm)
FLR: 153 in. (3900 mm)
- Cable Entry:
FLE: 3/4 in.
FLR: 3/4 in.



FLR Floats



FLE Floats



FLR Model Configuration Options

Model Number: FLR - - - - - - - - - -
 A B C D E F G H I

A. Mounting Type

- 0** Flat face flange
- 3** Triclamp
- 4** Plug mounted from outside of tank

B. Mounting Option and Size

- A_*** Ansi flange 150# (size=2, 2.5, 3)
- SF_*** Triclamp (size=2)
- T_*** NPT plug (size=1.5, 2, 2.5, 3)

*Note: Add an 'S' after mount size for Slide Connection

C. Material

- S6** 316L SS

D. Housing

- H3** NEMA 4 & 7, IP65 (3/4 in. cable entry)
- W_** No housing, mounting option with 3/4 NPT plug and 12 or 36 in. lead wires

E. Reed Switch

- A** 50 VA
- C** 180 VA

F. Number of Switch Points

- 1-7** Select the number of switch points required

G. Number of Floats

- 1-7** Select the number of floats required

H. Float Type

- AA** 316L SS (2.06 in. diameter, 0.59 SG)
- AA.92** 316L SS (2.06 in. diameter, 0.92 SG)
- BB** 316L SS (1.63 in. diameter, 0.607 SG)
- BB.92** 316L SS (1.63 in. diameter, 0.92 SG)

I. Probe Length (in./mm)

- L_** in./mm (up to 153 in / 3900 mm)

Switch Point Location(s)

(Measured from process connection)

- 1** ___ in./mm (designate NO or NC position)
- 2** ___ in./mm (designate NO or NC position)
- 3** ___ in./mm (designate NO or NC position)
- 4** ___ in./mm (designate NO or NC position)
- 5** ___ in./mm (designate NO or NC position)
- 6** ___ in./mm (designate NO or NC position)
- 7** ___ in./mm (designate NO or NC position)

FLE Model Configuration Options



Model Number: FLE - - - - - - - - -

A B C D E F G H I

A. Mounting Type

- 0** Flat face flange
- 3** Triclamp
- 4** Plug mounted from outside of tank

B. Mounting Option and Size

- A_** Ansi flange 150# (size=2, 2.5, 3)
- SF_** Triclamp (size=2)
- T_** NPT plug (size=1.5, 2, 2.5, 3)

C. Material

- S6** 316L SS

D. Housing

- H3** NEMA 4 & 7, IP65 (3/4 in. cable entry)
- B3** Non-metallic housing, IP43 (3/4 in. cable entry)
- W_** No housing, mounting option with 3/4 NPT plug and 12 or 36 in. lead wires

E. Reed Switch

- A** 20 VA
- B** 50 VA

F. Number of Switch Points

- 1-3** Select the number of switch points required

G. Number of Floats

- 1-3** Select the number of floats required

H. Float Type

- SS** 316L SS (1.10 in. diameter, 28mm, 0.65 SG)
- KK** 316L SS (1.18 in. x 1.10 in. cylinder, 0.78 SG)

I. Probe Length (in./mm)

- L_** in./mm (up to 24 in / 610 mm)

Switch Point Location(s)

(Measured from process connection)

- 1** ___ in./mm (designate NO or NC position)
- 2** ___ in./mm (designate NO or NC position)
- 3** ___ in./mm (designate NO or NC position)