

HAZARDOUS LOCATION MULTI-POINT LEVEL SWITCH SERIES: FLX



The FLX Magnetic level switch is designed specifically for point level detection of liquids in containers. Available in a wide variety of mounting types, the FLX is appropriate for use in classified flammable liquids. Each FLX is manufactured to the user's specifications, making it fit to work precisely according to the application requirements.

Features

- cCSAus hazardous area rating
- Long switch life
- Durable floats
- Shock resistant construction
- Up to seven switch points



FLX SPECIFICATIONS

Performance

- 7 Switch Points
Min. distance between levels: 3 in. (76 mm)
Min. distance to first and last floats: 2 in. (51 mm)
- Switch Accuracy: $\pm 1/16$ inch (1.6 mm)
- Switch Hysteresis: $1/16$ inch (1.6 mm)

Environmental

- Process Temperature:
Class I Div 2: -40° to 85°C (-40° to 185°F)
Class I Div 1: -40° to 40°C (-40° to 104°F)
- Enclosure Protection: NEMA 4

Certification

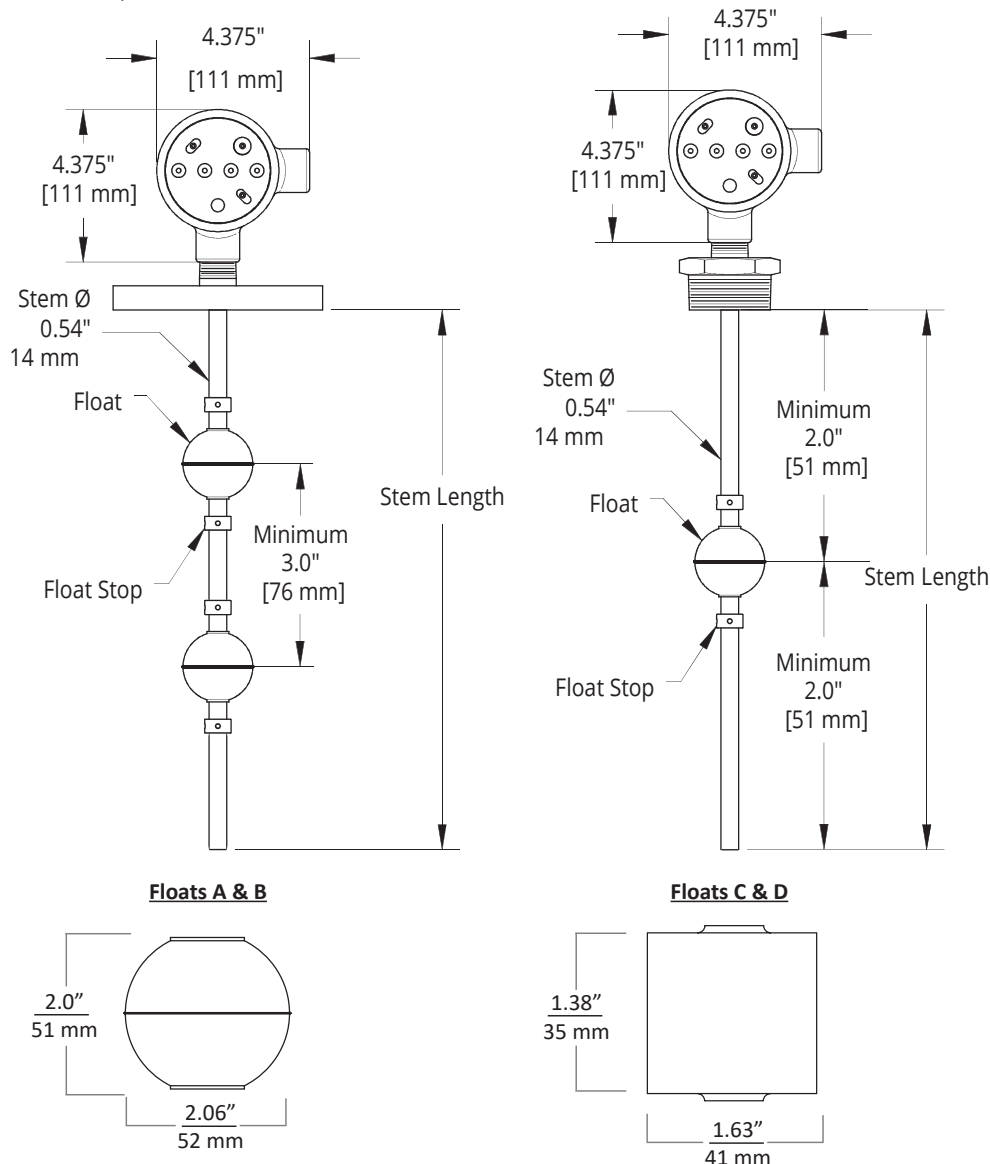
- Class I, Division 1, Groups C & D T3 (Ta 40°C)
- Ex d, IIB T3
Class I, Zone 1, AEx d, IIB T3 (Ta 40°C)
- Class I, Division 2, Groups C & D T3 (Ta 85°C)

Electrical

- Switch Rating: 50 VA, 180 VA
- Max Current: 0.5 A AC/DC
- Max Voltage:
Class I Div 1 24 VDC / 220 VAC
Class I Zone 1 24 VDC
Class I Div 2 220 VAC

Physical

- Stem Length: 153 in. (3890 mm)
- Cable Entry: 3/4 in.
- Wetted Materials
Housing Die Cast Aluminum
Stem 316L Stainless Steel
Floats 316L Stainless Steel
Float Stops, etc. 316L Stainless Steel



MODEL CONFIGURATION OPTIONS

Model Number: FLX - - - - -
 A B C D E

A. Mounting Type, Option, and Size

- 0A_*** Flat-face ANSI 150# Flange (size=1.5, 2, 2.5, 3, 4)
- 1A_*** Raised-face ANSI 150# Flange (size=1.5, 2, 2.5, 3, 4)
- 3SF_*** Triclamp (size=2, 2.5, 3, 4)
- 4T_*** Externally mounted NPT (size=1.5†, 2, 2.5, 3, 4)

B. Reed Switch

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

C. Number of Switch Points

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

D. Float Type

- A** 316L SS (2.06 in. diameter), 0.56 specific gravity
- B** 316L SS (2.06 in. diameter), 0.92 specific gravity
- C** 316L SS (1.63 in. diameter), 0.56 specific gravity
- D** 316L SS (1.63 in. diameter), 0.92 specific gravity

*Note: Add an 'S' after mount size for Slide Connection
For 0AS, add 3.25 in. to min. distance to first float
For 1AS, add 3.25 in. to min. distance to first float
For 3SFS, add 2.5 in. to min. distance to first float
For 4TS, add 4 in. to min. distance to first float

†Note: For NPT size 1.5, use only floats C and D

E. Probe Length (in.)

- L_** in.

Switch Point Location(s)

(Measured from process connection)

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

