

# FLX - Hazardous Area Magnetic Float Level Sensors



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 users specifications making it fit to work precisely according to the application requirements.

## Features

- CSA-C/US 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: 1.75 in. (45mm)

## Connectivity

- Output: 4-20 mA, Resistive

## Environmental

- Operating Temperature:  
14° to 185°F (-10° to 85°C)

## Certification

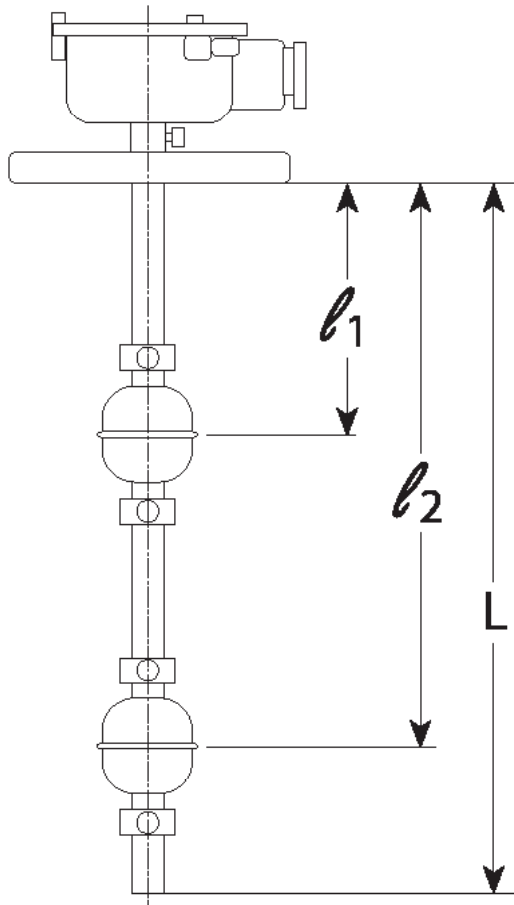
- Class 1, Division 1, Groups C & D  
Class 1, Division II, Groups C & D

## Electrical

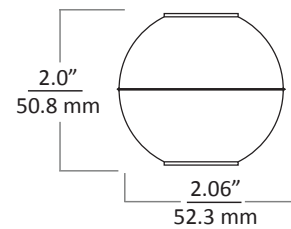
- Switch Rating:  
50 VA, 180 VA
- Max Current:  
0.5 A AC
- Max Voltage:  
220 VAC

## Physical

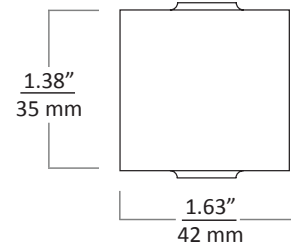
- Stem Length:  
153 in. (3900 mm)
- Cable Entry:  
1/2 in. / 3/4 in.



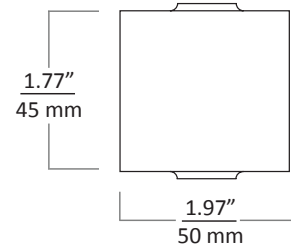
**Float AA**



**Float BB**



**Float K**



# Options

Part Number: FLX -      -      -      -      -      -      -      -      -     

A            B            C            D            E            F            G            H            I

## A. Mounting Type

- 0** Flat face flange
- 1** Raised face flange
- 4** Plug mounted from outside of tank

## B. Mounting Option and Size

- A** Ansi flange 150# (size=2, 2.5, 3, 4)
- J** JIS flange 10 kg/cm2 (size=2)
- D** DIN flange 10 kg cm2 (size=50)
- SF** 3A Sanitary ferrule (size=2, 2.5, 3, 4)
- T** NPT plug (size=1.5, 2, 2.5, 3, 4)
- G** PF plug (size=2, 2.5, 3)
- R** RT plug (size=2, 2.5, 3)

## C. Material

- S** 304 SS
- S6** 316L SS

## D. Housing

- H1** NEMA 4 & 7, IP65 (1/2 in. canle entry)
- H3** NEMA 4 & 7, IP65 (3/4 in. cable entry)

## 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)
- BB** 316L SS (1.63 in. diameter)

## I. Probe Length (in./mm)

- L\_** in./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)

