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: ± 1/16 inch (1.6 mm)
- Switch Hysteresis: 1/16 inch (1.6 mm)

**Environmental**
- Process Temperature:
  - Class I Div 2: -40º to 85ºC (-40º to 185ºF)
  - Class I Div 1: -40º to 40ºC (-40º to 104ºF)
- Enclosure Protection: NEMA 4

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

**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

![Diagram of FLX Specifications](image-url)
MODEL CONFIGURATION OPTIONS

Model Number: FLX - _____ - _____ - _____ - _____ - _____

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)