

# **MLS-4EX Series Multi-Level Float Switches**



## **Versatile Level Sensing Solutions**

Magtech offers MLS-4EX Series level switches in a wide variety of configurations to meet most level sensing needs. The rugged design features one to four switch points on a single probe. A variety of materials and float options easily accommodates high pressures, low specific gravities, corrosive services and other challenging conditions. MLS-4EX Series level switches are ideal for alarms and pump controls in remote oil and gas applications.

## **FEATURES**

- Ideal as a single or multipoint level alarm
- Adjustable probe lengths via compression fitting on the mounting hardware
- Switch contacts may be SPST, DPST, SPDT or DPDT; normally closed or normally open
- Requires only one mounting hole in the tank
- All wires emanate from a single source
- Options and accessories include lengths up to 20', stilling wells, choice of flanged or threaded connections, signal conditioners and controls, interface floats and more

## Specifications

### MLS-4Ex (High Amp)

**Mounting:** 2.5" MNPT carbon steel std.  
(other mounting options available)

**Probe:** .625" SS

**Contacts:** SPDT, DPDT

#### Electrical specifications:

**Switching current:** 1 amp (resistive) 25 w

**Carry current:** 5.4 amp (resistive)

#### Optional electrical specifications:

**Switching current:** 3 amp (resistive) 100 w

**Carry current:** 4 amp (resistive)

**Enclosure:** 3/4 NPT electrical connection  
Explosion proof, aluminum housings

#### Float Options:

##### 1A

**Description:** 2.10" OD SS

**Pressure:** 725 psi

**Min. SG:** .64

##### 1B:

**Description:** 2.30" OD Titanium

**Pressure:** 2000 psi

**Min. SG:** .47

#### Dimensions

A \_\_\_\_\_ MLS-4EX- A = 1 Point

B \_\_\_\_\_ MLS-4EX- B = 2 Point

C \_\_\_\_\_ MLS-4EX- C = 3 Point

D \_\_\_\_\_ MLS-4EX- D = 4 Point

L \_\_\_\_\_

### MLS-4Ex

**Mounting:** 2" MNPT carbon steel std.  
(other mounting options available)

**Probe:** .5" SS std.

**Contacts:** SPST, DPST, SPDT, DPDT  
*Note: DPDT, only 2 set points available*

#### Electrical specifications:

**Switching current:** 200 mA (resistive) 4 w

**Carry current:** 2 amp (resistive)

**Enclosure:** 1/2 NPT electrical connection  
Explosion proof, aluminum housings

#### Float Options:

##### 2A

**Description:** 1.60" 304 OD SS std

**Pressure:** 225 psi

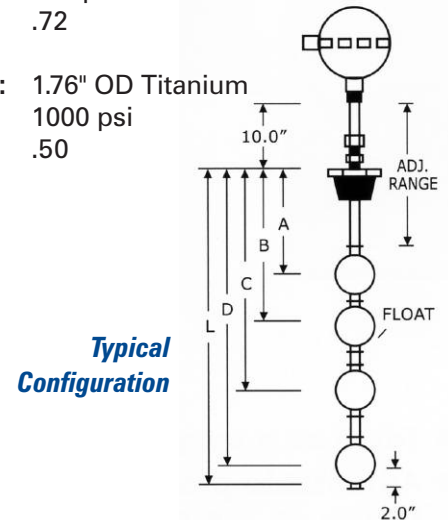
**Min. SG:** .72

##### 2B:

**Description:** 1.76" OD Titanium

**Pressure:** 1000 psi

**Min. SG:** .50



## MLS-4EX Order Information

Model # (Example): **MLS-4EX - B - 4C - 2" NPT - 0.9 - 100°F - 150 - 22" - 10" - 20" - x**

No. Floats \_\_\_\_\_

Material\* \_\_\_\_\_

Mounting Connections \_\_\_\_\_

Specific Gravity \_\_\_\_\_

Temperature \_\_\_\_\_

Pressure (psig) \_\_\_\_\_

L - Dim \_\_\_\_\_

A - Dim \_\_\_\_\_

B - Dim \_\_\_\_\_

Options \_\_\_\_\_

#### Material Code

4C - 304SS / CS MNPT Connection

6C - 316SS / CS MNPT Connection

4 - All 304SS

6 - All 316SS

x - Other materials (specify)

**UL & C-UL Listed – Class I, Groups B, C & D  
Class II, Groups E, F & G**



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