

# MFS Series Mini Float Level Switches

## *Operating Principle*

The MFS Mini Float Level Switches uses the principle of buoyancy and reed switching technology to create a switching action based on the rise and fall of the measurement medium. The float activates the reed switch within the stem when liquid level rises or drops.

MFS mini float switches presents to the user a cost effective solution to simple level switching requirements. Popular applications such as high level alarm and low level alarm could be realized effortlessly by easy selection of models.



## *Technical Advantages*



- Plastic floats for use in corrosive applications
- Different float sizes for low specific gravity medium
- Both vertical & horizontal mounting types available
- Stainless steel float for use in high temperature and high pressure applications
- Reversible float action enables interchangeability between NO & NC operation

## *Product Application*



- General Industries
- Chemical Industries
- Lubrication Systems
- Machine Manufacturers
- Water Treatment Industry

## Models



### Stainless Steel Vertical

Model: MFS-M10-V	Model: MFS-M20-V
<ol style="list-style-type: none"> <li>1.Switching Capacity Max.: 50W / SPST</li> <li>2.Switching Voltage Max.: 240VAC / 200VDC</li> <li>3.Switching Current Max.: 0.5A</li> <li>4.Carry Current Max.: 1A</li> <li>5.Lead Wire: PVC AWG 22</li> <li>6.Max. Pressure: 10kg/cm<sup>2</sup></li> <li>7.Operating Temperature: -20°C ~ 120°C</li> <li>8.Material: SUS 304</li> <li>9.Suitable Specific Gravity: 0.80</li> <li>10. Process Connection: 1/8" PF</li> </ol> 	<ol style="list-style-type: none"> <li>1.Switching Capacity Max.: 50W / SPST</li> <li>2.Switching Voltage Max.: 240VAC / 200VDC</li> <li>3.Switching Current Max.: 0.5A</li> <li>4.Carry Current Max.: 1A</li> <li>5.Lead Wire: PVC AWG 22</li> <li>6.Max. Pressure: 30kg/cm<sup>2</sup></li> <li>7.Operating Temperature: -20°C ~ 120°C</li> <li>8.Material: SUS 316</li> <li>9.Suitable Specific Gravity: 0.55</li> <li>10. Process Connection: 3/8" PF</li> </ol> 


### Stainless Steel Horizontal

Model: MFS-M10-H	Model: MFS-M12-V
<ol style="list-style-type: none"> <li>1.Switching Capacity Max.: 50W / SPST</li> <li>2.Switching Voltage Max.: 240VAC / 200VDC</li> <li>3.Switching Current Max.: 0.5A</li> <li>4.Carry Current Max.: 1A</li> <li>5.Lead Wire: XLPE AWG 22</li> <li>6.Max. Pressure: 5 kg/cm<sup>2</sup></li> <li>7.Operating Temperature: -20°C ~ 120°C</li> <li>8.Material: SUS 304</li> <li>9.Suitable Specific Gravity: 0.92</li> <li>10. Process Connection: 1/2" PT</li> </ol> 	<ol style="list-style-type: none"> <li>1.Switching Capacity Max.: 50W / SPST</li> <li>2.Switching Voltage Max.: 240VAC / 200VDC</li> <li>3.Switching Current Max.: 0.5A</li> <li>4.Carry Current Max.: 1A</li> <li>5.Lead Wire: XLPE AWG 22</li> <li>6.Max. Pressure: 10 kg/cm<sup>2</sup></li> <li>7.Operating Temperature: -20°C ~ 120°C</li> <li>8.Material: SUS 316</li> <li>9.Suitable Specific Gravity: 0.80</li> <li>10. Process Connection: 1/8" PF</li> </ol> 

### Plastic Vertical

Model: MFS-P10-V	Model: MFS-P20-V
<ol style="list-style-type: none"> <li>1.Switching Capacity Max.: 50W / SPST</li> <li>2.Switching Voltage Max.: 240VAC / 200VDC</li> <li>3.Switching Current Max.: 0.5A</li> <li>4.Carry Current Max.: 1A</li> <li>5.Lead Wire: PVC AWG 22 (UL 1007)</li> <li>6.Max. Pressure: Atmospheric</li> <li>7.Operating Temperature: -20°C ~ 80°C</li> <li>8.Material: P.P</li> <li>9.Suitable Specific Gravity: 0.80</li> <li>10. Process Connection: 1/8" PF</li> </ol> 	<ol style="list-style-type: none"> <li>1.Switching Capacity Max.: 50W / SPST</li> <li>2.Switching Voltage Max.: 240VAC / 200VDC</li> <li>3.Switching Current Max.: 0.5A</li> <li>4.Carry Current Max.: 1A</li> <li>5.Lead Wire: XLPE AWG 22</li> <li>6.Max. Pressure: 4kg/cm<sup>2</sup></li> <li>7.Operating Temperature: -20°C ~ 120°C</li> <li>8.Material: PVDF</li> <li>9.Suitable Specific Gravity: 0.70</li> <li>10. Process Connection: 1/8" PF</li> </ol> 

### Plastic Horizontal

Model: MFS-P10-H	Model: MFS-P20-H
<ol style="list-style-type: none"> <li>1.Switching Capacity Max.: 50W / SPST</li> <li>2.Switching Voltage Max.: 240VAC / 200VDC</li> <li>3.Switching Current Max.: 0.5A</li> <li>4.Carry Current Max.: 1A</li> <li>5.Lead Wire: PVC AWG 22</li> <li>6.Max. Pressure: Atmospheric</li> <li>7.Operating Temperature: -20°C ~ 80°C</li> <li>8.Material: P.P</li> <li>9.Suitable Specific Gravity: 0.78</li> <li>10. Process Connection: M12 x 1.25</li> </ol> 	<ol style="list-style-type: none"> <li>1.Switching Capacity Max.: 50W / SPST</li> <li>2.Switching Voltage Max.: 240VAC / 200VDC</li> <li>3.Switching Current Max.: 0.5A</li> <li>4.Carry Current Max.: 1A</li> <li>5.Lead Wire: XLPE AWG 22</li> <li>6.Max. Pressure: 4kg/cm<sup>2</sup></li> <li>7.Operating Temperature: -20°C ~ 80°C</li> <li>8.Material: P.P</li> <li>9.Suitable Specific Gravity: 0.75</li> <li>10. Process Connection: M16</li> </ol> 