Fluid Sensors
Level Sensor Mechanical Float Switch

Detailed Technical Data
Model: MFS Series

Features

Medium	Water/fluids/chemicals, fuels, oils, sludge
Sensor type	Mechanical switch
Orientation	Vertical
Environment type	Non-hazardous, hazardous based on barrier connection
Purpose	General use / industrial

Mechanical

Shell and filling MOC	Polypropylene, polyurethane foam
Cable MOC	Chlorinated polyethylene cable
Wire	SJOOW-300 Volt - 18/2 Cable
Float sizes	3.50” X 5.00”
Switch type	Mechanically activated micro switch, non-mercury
Float adjustable pivot weight	Zinc plated cast iron
Wire length	30 ft
Approvals	c(UL)us listed
Operating temperature range	32 to 170° F



Electronics

Voltages to be used	24VDC, 115VAC, 240VAC, others
Max current (amps)	
3A	240AC
10A	115AC
Float operation	N.O. or N.C. (order the one needed)

The MFS float switch is designed for accurate level detection for potable water, industrial wastewater, sewage and sludge environments.

Switch Variations
Normally open (N/O) – green shell
The contacts are open (off) in the hanging position. As the float rises 1” (5°) above the horizontal, the contacts close and activate (turn on) the switch.

Normally closed (N/C) – green/red shell
The contacts are closed (on) in the hanging position. As the float rises 1” (5°) above the horizontal, the contacts open and deactivate (turn on) the switch.

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