

# Senses Flow/No-Flow from Outside a Pipe

## **Microphone Flow Switch**

### **Model MFS100**

**Controls Liquids  
and pneumatically  
conveyed Solids**



**Strap-on Sensor installs on the Outside of any Pipe to  
Activate a Relay for Automatic Control or Alarm**

#### **Low-cost Control**

Use this simple, low-cost Microphone Switch on any size pipe to activate an alarm, pump or valve in flow no-flow conditions.

The MFS100 Microphone Switch reacts to noise inside the pipe caused by the flow of liquids or flowable solids. Noise from the flow is detected and amplified to operate the control relay. The absence of noise in no-flow conditions return the relay to stand-by position.

#### **Installs in Minutes**

The Microphone Switch sensor is mounted on the outside of any pipe with a simple clamp. No contact is made with the moving material, there is no obstruction to flow and no holes are drilled in the pipe.

**RELIABLE MEASUREMENT AND CONTROL**

# Quick and Simple Flow Control

## MFS100 Microphone Flow Switch Installs in Minutes

Use this low-cost Microphone Flow Switch on the outside of any pipe when controls or alarms are required to operate automatically when flow starts or stops.

Because the Microphone Flow Switch uses a strap-on sensor, there is no interference from build-up, caustic or acid solutions, or solids carried in the liquid. Recommended for all liquids and pneumatically conveyed solids.

The MFS100 can be field-adjusted to switch at the noise/flow level required in each application. Avoid installation in high noise or high vibration locations.

### ***Specifications and Features***

Shipping Weight: 4 lbs. (1.8 kg)  
Enclosure: Watertight dust tight NEMA4X (IP66) fiberglass with clear Face  
Power Input: 115VAC 50/60Hz (2 watts)  
Relay Contacts: 5 ampere SPDT  
Connections: Screw-type Terminal strips  
Indication: Power and Relay condition LED's  
Sensitivity: adjustable to flow noise level in each application  
Electronics Operating Temperature: -5° to 140°F (-20° to 60°C)  
Sensor: Strap-on, stainless steel housing  
Sensor Operating Temperature: -20° to 200°F (-30° to 94°C)  
Sensor Cable: 5 ft (1.5 m) shielded coaxial cable  
Pipe Diameter: Recommended for Pipes greater than ¼" (6.5 mm) OD

### ***Options***

230VAC 50/60Hz Power Input  
24VDC Power Input  
Extended Sensor Cable: 20 ft (6 m) length shielded coaxial cable  
Adjustable Stainless steel Sensor mounting clamps  
Enclosure Heater, thermostatically controlled

Authorised Channel Partner in India

**Universal**  
*engineers*

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