Automatic Flow Switch

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

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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

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