

InFLOW, INC.

1525 Skyline Lane * Longmont, CO 80501 * TEL/FAX: 303.652.0444 * <http://inflowinc.com>

SOLID STATE ACOUSTIC FLOW SWITCH

InFLOW, INC. announces the availability of its new line of unique non-invasive flow switches. These switches have no moving parts, can be used on *liquids as well as gases*, have solid state reliability, and are mounted on the outside of the existing pipe. They are designed primarily as a "flow / no flow" switch.

The AFS Switch operates by monitoring the total acoustic volume of noise or energy level, as generated by the flowing fluid. As such, noise spikes and other random noise effects are minimized. The switch is available in two models: AFS-OE and AFS-IN. The AFS-OE is designed for OEM applications and can be ordered with features specifically for the original equipment market. The AFS-IN is designed for general industrial applications and includes as standard a noise enclosure to further seal out background interference. Both models use the same sophisticated solid state acoustic sensor and conditioning electronics. The trip point is adjustable to compensate for background noise levels. For especially low flows the switch can be installed near a sound generating point such as an elbow, etc.

The AFS-OE switch comes in an ABS splash resistant enclosure. The AFS-IN includes a sound enclosure that is available in a variety of NEMA ratings. Output from the AFS can be TTL, or relay contact with an optional LED indicator.

SPECIFICATIONS:

Application:	OEM for -OE model, General industrial for -IN model
Fluids:	Low viscosity liquids & Gases
Trigger Point:	~4 Ft/sec on water, consult factory for other
Response Time:	0.1 second
Line Temperature:	32 to 150 F (0 to 65 C)
Ambient Temperature:	32 to 150 F (0 to 65 C)
Mounting:	Strap
Line Size:	1/2" and larger
Output:	1 @ TTL (solid state) or 1 @ Relay (dry contact)
Supply Voltage:	5 vdc other available, consult factory



Model: AFS-OE