

AFS Pressure Switches (12-2500 Pa)



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The AFS Pressure Switches are general purpose airflow proving switches designed for HVAC, detection of blocked filters and fan suction, air flow monitoring in ducts, pipes, tunnels, and other energy management applications. It may be used to sense positive, negative or differential air pressure.

The plated housing contains a diaphragm, a calibration spring and a snap-acting switch. The sample connections located on each side of the diaphragm accept a 0.25" OD tubing via the integral compression and nut. An enclosure cover guards against accidental contact with the live switch terminal screws and the set point adjusting screw. The enclosure cover will accept a 0.5" conduit connection. The AFS-460 Pressure Switch has a reset button located on the top surface of the enclosure cover.

Model	AFS-222	AFS-262	AFS-460
Medium	Air	Air	Air
Mounting Position	Diaphragm in any vertical plane	Diaphragm in any vertical plane	Diaphragm in any vertical plane
Field Adjustable Range	0.16±0.02" W.C. to 12.0" W.C.	0.16±0.02" W.C. to 2.0" W.C.	0.40±0.06" W.C. to 12.0" W.C.
Switch Differential	Progressive, increasing from approximately 0.1±0.02" W.C at minimum set point, to approximately 0.8" W.C. at	Progressive, increasing from approximately 0.1±0.02" W.C at minimum set point, to approximately 0.1" W.C. at	Progressive, increasing from approximately 0.1±0.02" W.C at minimum set point, to approximately 0.8" W.C. at

	maximumset point.	maximumset point.	maximumset point.
Maximum Pressure	0.5psi (0.03bar)	0.5psi (0.03bar)	0.5psi (0.03bar)
Operating Temperature Range	-40 -82	-40 -82	-40 -82
Electrical Rating	300 VA pilot duty at 115-277VAC, 10amp, non-inductive, 277VAC, 60Hz.	300 VA pilot duty at 115-277VAC, 10amp, non-inductive, 277VAC, 60Hz.	300 VA pilot duty at 115-277VAC, 10amp, non-inductive, 277VAC, 60Hz.
Electrical Connections	Screw top terminals with cup washers	Screw top terminals with cup washers	Screw top terminals with cup washers
Sample Line Connections	Ferrule and nut compression type connectors that accept 0.25" OD rigid tubing.	Ferrule and nut compression type connectors that accept 0.25" OD rigid tubing.	Ferrule and nut compression type connectors that accept 0.25" OD rigid tubing.
Contact Arrangement	SPDT	SPDT	2 SPST-NC (manual reset)

Conversion: 1mbar=100Pa 1"W.C.=249Pa