

GREYSTONE

ACCURACY BY DESIGN



PRESSURE SWITCH

Model AFS



The Greystone air pressure switch is a general purpose airflow proving switch designed for HVAC and Energy Management applications. It may be used to sense positive, negative, or differential air pressure.

FEATURES:

- The plated housing contains a diaphragm, a calibration spring and a snap-acting SPDT switch.
- The sample connections located on each side of the diaphragm accept 6.35 mm (0.25") OD tubing via the
- integral compression ferrule 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
- 12.7 mm (0.5") conduit connection.
- Optional pressure ranges and manual resets available.

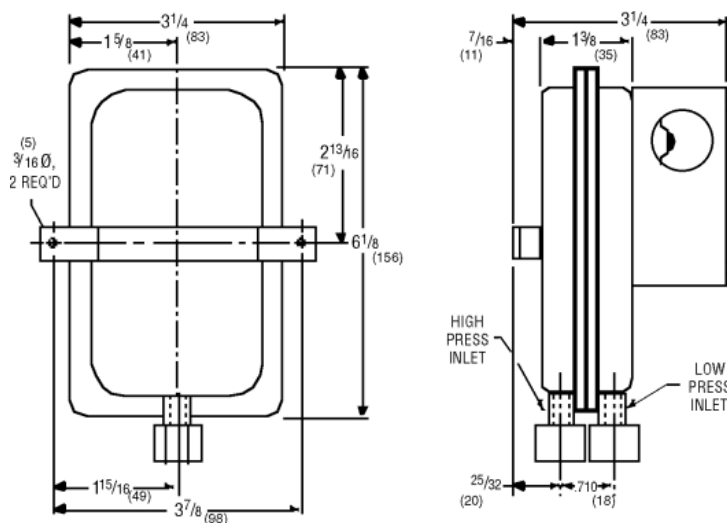
***Peace of mind
through reliable
pressure switches***

GREYSTONE IS AN **ISO 9000** REGISTERED COMPANY

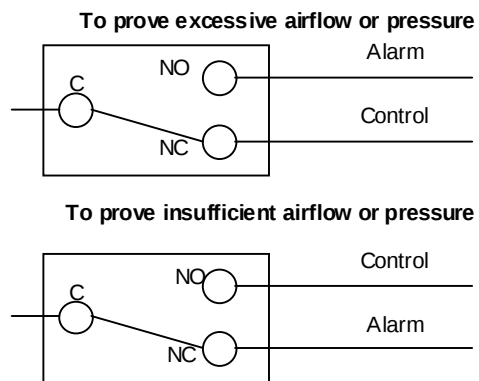
SPECIFICATIONS:

MODEL	AFS-222	AFS-262	AFS-460
Sample Media	Air	Air	Air
Mounting Position	Diaphragm in any vertical plane	Diaphragm in any vertical plane	Diaphragm in any vertical plane
Field Adjustable Range	0.05±, 0.02" w.c. to 12" w.c.	0.05±, 0.02" w.c. to 2" w.c.	0.40±, 0.06" w.c. to 12" w.c.
Switch Differential	Progressive, increasing from approx. 0.02± 0.01" w.c. at min. set point, to approx. 0.8" w.c. at max. set point	Progressive, increasing from 0.02± 0.01" w.c. at min. set point to approx. 0.1" w.c. at max. set point	Progressive, increasing from approx. 0.06± 0.01" w.c. at min. set point, to approx. 0.8" w.c. at max. set point
Maximum Pressure	0.5psi (0.03 bar)	0.5psi (0.03 bar)	0.5psi (0.03 bar)
Operating Temperature Range	-40°C – 82°C (-40°F – 180°F)	-40°C – 82°C (-40°F – 180°F)	-40°C – 82°C (-40°F – 180°F)
Life	100,000 cycles at 0.5psi max pressure each cycle and at max electrical load	100,000 cycles at 0.5psi max pressure each cycle and at max electrical load	6000 cycles at 0.5psi max pressure each cycle and at max. electrical load
Electrical Rating	300 va pilot duty at 115 – 277 VAC, 10 amp, non-inductive, 277 VAC, 60Hz	300 va pilot duty at 115 – 277 VAC, 10 amp, non-inductive, 277 VAC, 60Hz	300 va pilot duty at 115 – 277 VAC, 10 amp, non-inductive, 277 VAC, 60Hz
Contact Arrangement	SPDT	SPDT	SPNC
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 6.35 mm (0.25") OD rigid tubing	Ferrule and nut compression type connectors that accept 6.35mm (0.25") OD rigid tubing	Ferrule and nut compression type connectors that accept 6.35 mm (0.25") OD rigid tubing
Automatic/Manual Reset	Automatic	Automatic	Manual
Approvals	UL and CSA	UL and CSA	UL and CSA

Dimensions in inches and (millimeters)



Alarm or Control



Greystone Energy Systems Inc., established in 1983, is Canada's largest manufacturer of HVAC sensors and transducers for Building Automation Management Systems. We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9002 certified, assuring our customers of consistent product reliability.