

Gas/Air Pressure Switches — Honeywell

C437; C637 Gas/Air Pressure Switches

Pressure or differential—pressure limit controls for industrial gas systems.

- Use C437 for spst switching or C637 for spdt switching.
- Compensate for momentary surges in gas pressure with a restrictive orifice in inlet pressure channel on the models with pressure range of 1 to 26 in. wc (0.25 to 6.5 kPa).
- Resume operation by manually resetting when using lockout application models.
- Impede tampering and provide dust-resistant operation with enclosed setting.



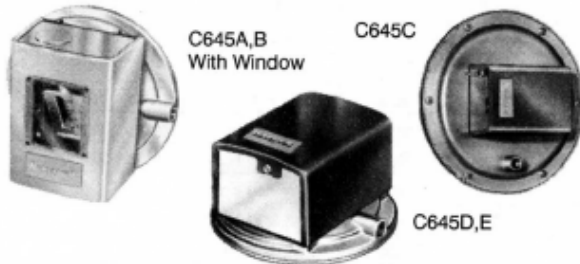
ACCESSORIES:

- 122160 Orifice—0.018 in. (0.46 mm) diameter.
- 124674 Orifice—0.011 in. (0.28 mm) diameter.
- 4074BWK Mounting Brackets, for surface mounting.

EQUIVALENT SI METRIC UNITS:

Pressure Range	Water	
	mm	kPa
½ to 5½ in. water	10.0 to 140.0	0.1 to 1.4
1 to 26 in. water	50.0 to 700.0	0.5 to 7.0
½ to 5 psi	300.0 to 3500.0	3.0 to 35.0
1 to 10 psi	500.0 to 7000.0	5.0 to 70.0

C645A,B Gas/Air Pressure Switches; C645C,D Air Pressure Switches; C645E Distillate Fuel Oil Pressure Switch



APPROVALS:

- Underwriters Laboratories Inc. Listed: File No. MP2168, Guide No. MFHX.
- Canadian Standards Association Certified: File No. LR1620, Guide No. 140-A-2.
- Factory Mutual Approved: Report Nos. 19268, 13233-S3.
- Industrial Risk Insurers Acceptable.

DIMENSIONS, APPROXIMATE:

	Diameter		Depth	
	in.	mm	in.	mm
C645A,B,D,E	4¾	120.6	3½	88.9
C645C	7¾	200.0	3½	88.9

Positive- or differential-pressure limit controls.

- Spdt diaphragm operated snap-acting Micro Switch™ mechanism.
- C645E models for use with only distillate fuel; not with natural or LP gases.

C647 Gas/Air Pressure Switch

LP, natural or manufactured gas pressure limit control.

- Breaks circuit on pressure drop and makes at preset low pressure.

APPROVALS:

- Factory Mutual Approved: Report No. 1F4A3.AF.



PIPING CONNECTIONS:

- ½ in. NPT female for main pressure.
- ¼ in. NPT female for safety vent.

ELECTRICAL RATINGS:

- Contacts: 62.5 VA at 120 to 240 Vac, pilot duty.

ACCESSORIES:

- 110462-00021 Mounting Bracket—for surface mounting.
- 14026 Siphon Loop.

Gas/Air Pressure Switches — Honeywell

C6097 Pressure Switch



The C6097 Pressure Switches are safety devices used in positive-pressure or differential-pressure systems to sense gas or air pressure systems.

- For use with natural gas, liquid propane (LP) gas, or air.
- Diaphragm-actuated safety-limit switch.
- Switch can be wired to turn on alarm.
- C6097A models break control circuit at setpoint on pressure fall.
- C6097B models break control circuit at setpoint on pressure rise.
- Lockout with manual reset and recycle options.
- Lockout models have external manual reset button.
- Removable transparent cover protects scaleplate and adjusting knob.
- Pipe tapings allow selection of positive pressure (air only) or venting connections (NPT mount only).
- 1/4 in. NPT or flange mount models for direct mounting to Honeywell Integrated Valve Train.
- Optional switch position indicator lamp available.
- IP54 enclosure standard.
- Ranges: 0.4 to 5 in.wc, 3 to 21 in.wc, 12 to 60 in.wc or 1.5 to 7 psi.
- Surge orifice.

Air Pressure Switches — Cleveland Controls



CLEVELAND CONTROLS

Air Flow Switch
Model AFS-222

Adjustable Set Point

For prices on products or parts call us at 623-847-4788 or FAX 623-847-2386