C6097

Pressure switch

Product description

The **C6097** pressure switch is used to detect gas pressure such as natural gas, LPG, air, etc.

As the pressure varies, the receiving diaphragm detects it and activates the On / Off contact (SPDT) of the external control circuit.

These pressure switches are commonly used to monitor minimum or maximum pressure of gas, burner air supply or to detect clogging of a gas burner's filter equipped with a fan.

Technical specifications

Pressure tap: Positive pressure ports: RP 1/4 "thread (x2). There are two positive pressure taps: one perpendicular, in the center of the lower part of the device, on the other side for horizontal mounting. Pressure test point for differential pressure: RP 1/8 "thread. All threads are ISO 7-1 compliant.

Setpoint accuracy:
±15 % of the total scale (when pressure increases)
Note: *the graduation of the set point adjustment dial is an approximate reflection of the actual set point. The graduation is in mBar.*

Torsion and resistance to mechanical stress: The tapping is EN 161 group 2 compliant.

Contact rating:
- Resistive load: 250 Vac - 5A
- Inductive load: Cos φ: 0,6
- Minimum applicable power: 50 mA, 24 Vac

Nature of pressure sensitive elements: Simple NBR diaphragm

Housing materials: Die-cast aluminum
Housing material: Polybutylene terephthalate
Cover material: Polycarbonate

Operating ambiant temperature: -15°C to +60°C
Relative humidity:
Admissible maximum: 90 % to 40°C (without condensation)
Monitored fluid temperature: -15°C to +80°C

Codification

Model	Operating pressure range (mBar)	Operating pressure differential (mBar)	Max. allowable pressure (mBar)
C6097A2110	1 … 10	0,4	200
C6097A2210	2,5 … 50	0,6	300
C6097A2310	30 … 150	2,8	500
C6097A2410	100 … 500	7,0	600