

Honeywell C6097 pressure switches for gas

Monitors positive and negative gas pressures on various industrial gas and air appliances.

Overview



For monitoring positive gas- and air-pressure. For negative and differential air-pressure.

- UL listed, FM approved, RoHS compliant
- Switching point adjustment via setting dial
- Positive pressure: Gas, biogas, air, flue gas
- Negative/differential pressure: Air, flue gas
- 1 to 500 mbar (0.4 to 200 WC)
- CE version: internal Rp 1/8 2x, Rp 1/4 2x
- UL version: internal 1/4 NPT, 1/8 NPT
- Silver contacts, 24-250 VAC, 0.05-5A
- Electrical connection:
 - Screw terminals, M16x1.5 cable gland
 - Screw terminals, 1/2 NPT cable conduit
 - 4-Pin plug and socket
- Optional locking/manual reset
- Silicon free
- For available accessories see documentation

More Information:

- [Technical Information for C6097](#)

Specifications

PRESSURE SPECIFICATIONS

Pressure Measurement Type

- Positive pressure, negative pressure, and differential pressure

Pressure Range

- Extremely low to medium pressure ranges (model dependent)

INSTALLATION & MOUNTING SPECIFICATIONS

Installation Orientation

- Vertical, horizontal, or inverted (switching point must be verified)



CONNECTIONS & INTERFACES

Electrical Connections

- Screw terminals, M16 cable gland (CE), 1/2 in NPT conduit (UL/FM)

Mechanical Connection

- 1/4 in NPT/1/8 in NPT (UL/FM)
- G 1/4 in, G 1/8 in (CE)

APPLICATIONS & COMPATIBILITY

Media Compatibility

- Natural Gas, Town Gas, LPG (gaseous), Flue Gas, Biogas (≤0.1% H₂S), Hydrogen, Air

Applications

- Low/High Gas Pressure Protection, Fan Monitoring, Filter Monitoring, Differential Pressure Monitoring, Leak Tightness Checks

TEMPERATURE CONTROL/MEASUREMENT

Temperature Rating

- CE: -20 to +80 deg C
- UL/FM: -40 to +60 deg C

ACTUATION, CONTROL & MOTION CHARACTERISTICS

Switching Function

- Change-over contact (NO/NC/COM)

Switching Behavior

- Switches on rising pressure (C6097B) or falling pressure (C6097A)

PERFORMANCE SPECIFICATIONS

Switching Capacity

- CE: 24 to 250 VAC, 0.05-5 A
- UL/FM: 24 to 240 VAC, max 5 A

MATERIAL SPECIFICATIONS

Diaphragm Material

- NBR (silicone-free)

Material

- PBT Plastic (Glass Fiber reinforced), Aluminum Lower Section

SAFETY, PROTECTION & RELIABILITY

Protection Class

- IP65

PRODUCT OVERVIEW & CLASSIFICATION

Primary Function

- Monitoring and switching of gas and air pressures

OVERVIEW

Product Type

- C6097A (switches on falling pressure), C6097B (switches on rising pressure)



Approvals

- CE (EN 1854), UL Listed, FM Approved, LVD, EMC, RoHS, Gas Appliances Regulation (EU) 2016/426

Filters

▼ CATEGORY

☒ Base Part

☒ Spare Part

▼ TYPE

☒ Pressure Switch

☒ Cleaver Brook

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LED light set,blue:115/230 VAC FOR PRESS

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LED SET, RED/GREEN: 24 V DC FOR GAS PRE

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LED SET, RED/GREEN: 24 V DC FOR GAS PRE

