



(according to Gas Appliance Directive 90/396/EEC)



HCD

HCD series

Pressure and differential pressure switches for neutral gases (DVGW-tested)

Pressure switches of the HCD series are suitable for neutral and non-aggressive gases. They can be used for monitoring overpressure and differential pressure. For overpressure detection the pressure side is connected to the lower connection piece G 1/4"; for vacuum detection the pressure side is connected to the upper

connection piece G 1/8" (remove sealing chamber). For differential pressure detection the high pressure is applied to the lower connection piece (G 1/4") and the low pressure side to the upper connection piece (G 1/8"). A pressure measurement connector (9 mm \varnothing) is available for accurate setpoint adjustment.

Technical data

Pressure connection

Pressure connection for overpressure: G 1/4" internal thread.
For vacuum and differential pressure: G 1/8" internal thread.

Switch housing

Diecast aluminium.

Medium temperature

-15 to +60 °C.

Maximum working pressure

See Product Summary

Mounting position

Horizontal with connection pieces pointing downwards.

Type of protection IP 40 according to DIN 40050.

Mounting

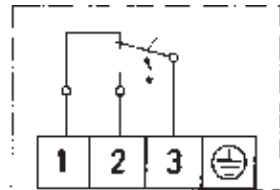
Either directly on pipe or with mounting bracket (supplied) on a vertical surface.

Setting the switching point

Remove the cover and turn the setting spindle marked +/- in the corresponding direction. The scale shows only guideline values. For accurate setpoint adjustment it is necessary to use a pressure gauge which can be attached to the measuring point (9 mm \varnothing pressure measurement connector).

Switching function Single pole switching.

Electrical connection



Switching capacity

2 A/220-240 VAC (inductive load)
10 A/220-240 VAC (resistive load)

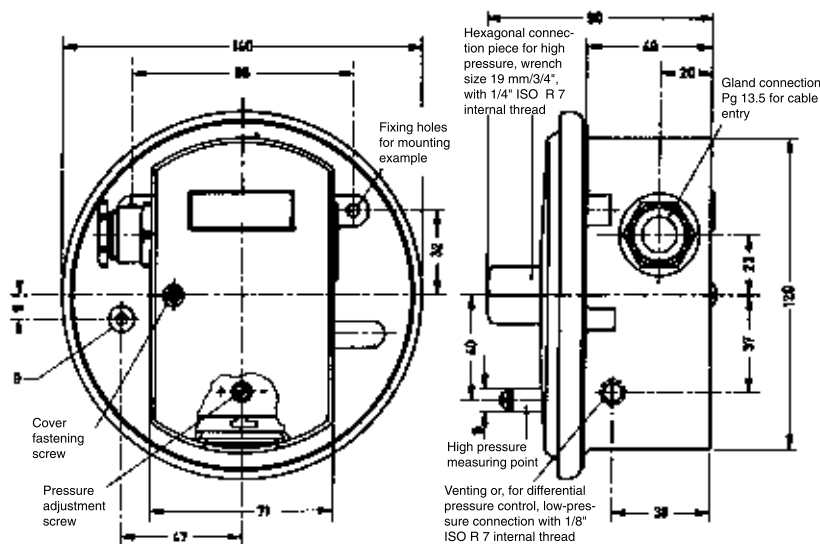
Cable entry Pg 13.5

Tested according to Gas Appliance Directive 90/396/EEC, DVGW reg. no. E 3085/2.

| Type | Setting range | Switching differential in lower range | Switching differential in upper range | Max. working pressure |
|----------|---------------|---------------------------------------|---------------------------------------|-----------------------|
| HCD 6003 | 0.2...3 mbar | 0.3... mbar | 0.5 mbar | 100 mbar |
| HCD 6010 | 1...10 mbar | 0.3... mbar | 1 mbar | 100 mbar |
| HCD 6050 | 5...50 mbar | 1.5... mbar | 3 mbar | 200 mbar |
| HCD 6150 | 15...150 mbar | 4... mbar | 10 mbar | 300 mbar |

The switching differential is not adjustable. The low switching differentials are for the lower setting range; the higher values relate to the upper ranges.

Dimensioned drawing



GASTEC
tested

Degree of protection:
IP 40