

## Pressure switches Mechanical pressure switches



(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.

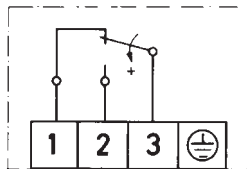
**Type of protection** IP 40 according to DIN 40050.

**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 V AC (resistive load)

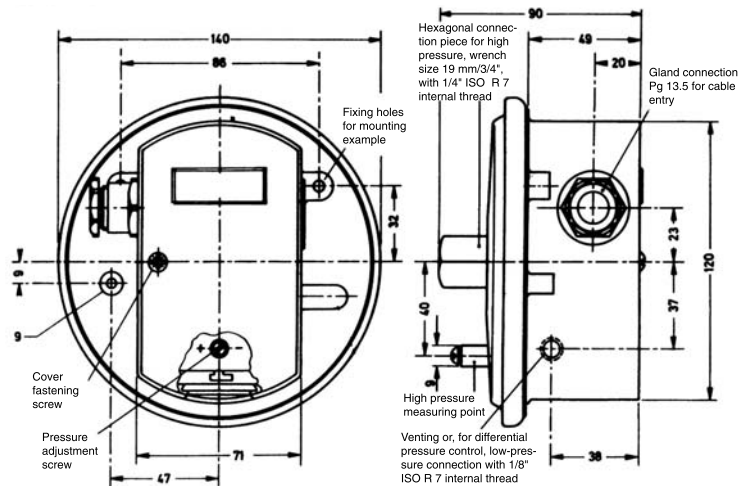
**Cable entry** Pg 13.5

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

Type	Setting range	Switching differential		Max. working pressure
		in lower range	in upper range	
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