Pressure switch GS

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CHARACTERISTICS

- Output a dry contact signal when the feedback pressure reaches the set pressure.
- For pressure or pressure gradients monitoring through different connection methods.
- Normally open and normally closed dry contact signals.
- Medium: natural gas, LPG, town gas, air and other clean gases.

APPLICATIONS

The pressure switch GS is designed for pressure detection of continuously controlled combustion systems. When the pressure reaches the set pressure, a dry contact signal is output. The GS can be used in the safety interlocks of gas or air, or used in conjunction with an orifice plate to monitor the changes in gas flow.

SPECIFICATION

Type table

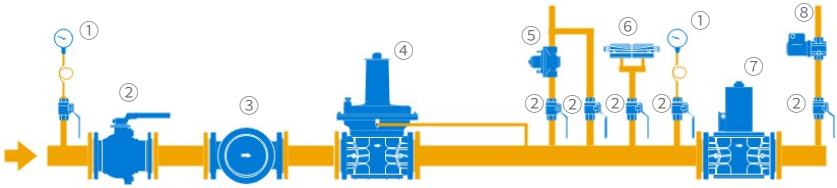
Type	GS	150		
		Pressure range:	6: 0.4～6 mbar	150: 30～150 mbar
			10: 1～10 mbar	500: 100～500 mbar
			50: 2.5～50 mbar	

Factory pre-assembled double switches are available: GS 50/150, GS150/500.

The pressure switch GS is designed for continuously controlled combustion systems, if the pressure switch used for pulse controlled combustion systems is needed, please contact us.

SOLUTIONS

For pressure monitoring of gas main pipeline in a continuously controlled combustion system

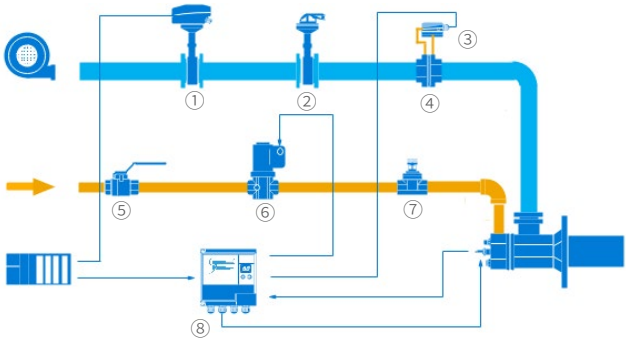


① Pressure gauge *② Manual shut-off valve* *③ Gas filter SF*

④ Pressure regulator GV *⑤ Relief valve SRV* *⑥ Pressure switch GS*

⑦ Gas solenoid valve SG *⑧ Normally open solenoid valve SOV*

For flow monitoring of air branch pipeline in continuously controlled combustion system



① Air electrical butterfly valve SAM+HTB（SAM..1 or SAM..3）

② Air manual butterfly valve HK

③ Pressure switch GS

④ Orifice plate

⑤ Gas manual shut-off valve

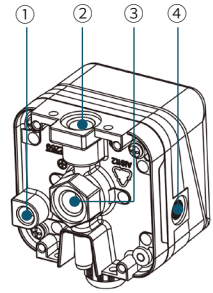
⑥ Gas solenoid valve SG..Q

⑦ Manual linear flow control KV

⑧ Burner control unit SCU 4.1

INSTALLATION

- Connections ① and ④: Rp1/8", connections ② and ③: Rp1/4".
- Positive pressure measurement: connection ② or ③ is connected to the gas(The connection unconnected shall be sealed), connection 1 or 4 is connected to the atmosphere.
- Negative pressure measurement: connection ① or ④ is connected to the gas (The connection unconnected shall be sealed), connection ② or ③ is connected to the atmosphere.
- Pressure gradient measurement: connection ② or ③ is connected to high pressure, connection ① or ④ is connected to low pressure, the connection unconnected shall be sealed. This connection method is unavailable for combustible gas.



ATTENTION

- Open the pressure switch cover, and wiring according to the normal open/normal closed signal required. Maximum contact capacity: 5 A, 250 V.
- Adjust the threshold as required.
- Maximum inlet pressure: 600 mbar.
- Ambient temperature: -15～60 °C, install away from heat sources.
- Enclosure: IP54, forbid being used in the open air.