

C6097A

Pressure Switch



The C6097A gas pressure switch is used to detect the pressure of the city gas, natural gas LP gas, or air, etc.

The switch performs the ON/OFF control of the external electrical circuit in accordance with set point. This switch can be widely used to detect the upper limit or lower limit pressure of the gas or air to be supplied to a gas combustion system, or to detect the clogging of the interlock filter of a burner blower.

Specifications

Applicable fluid	City gas, natural gas, LP gas and air
Output	SPDT contact output: Pressure drop: Close between terminals ① - ③, open between ② - ③ Pressure increase: Open between ① - ③, close between ② - ③
Contact rating	Resistive load: 250Vac 5A Inductive load: 250Vac 3A (power factor: 0.6) Minimum applicable voltage and current: 50mA, 24Vdc
Ambient temperature	-29 to +60°C (non-freezing and non-condensation)
Fluid temperature	-29 to +60°C (non-freezing and non-condensation)
Life	More than 100K cycles under the rated contact voltage and current
Wire connecting terminal	M3.5 screw terminal
Mounting	Vertical, or horizontal with the setting dial facing upward
Protection	IP54
Weight	260g
Material	Housing: Aluminum die-cast Diaphragm: NBR
Auxiliary part	Switch operation indicator for 100/200Vac: Part No. 81404156

Selection Guide

Model No.	C6097A0110	C6097A0210	C6097A0310	C6097A0410
Control mode	ON/OFF	ON/OFF	ON/OFF	ON/OFF
Setting range	0.1 to 1kPa	0.25 to 5kPa	3 to 15kPa	10 to 50kPa
Differential	40Pa	60Pa	280Pa	700Pa
Allowable pressure	20kPa	30kPa	50kPa	150kPa
Setting accuracy	0.1 ± 0.06kPa, 1 ± 0.15kPa	0.25 ± 0.15kPa, 5 ± 0.75kPa	3 ± 0.9kPa, 15 ± 2.25kPa	10 ± 2.4kPa, 50 ± 7.5kPa
	Low pressure side: For atmospheric air pressure High pressure side: For pressure increase			

Dimensions

(unit:mm)

