

Gas Pressure Switch (Variable)

(SGPS-3V) (SGPS-5V) (SGPS-10V) (SGPS-50V) (SGPS-150V) (SGPS-500V) / PN

PRODUCT SPECIFICATION SHEET



FEATURES

- The gas pressure switch is used to detect the gas.
- This switch has a function to monitor gas pressure in the pipe line of gas.
- This switch has a structure that user can control the setting by himself.
- This switch has a various models of pressure setup.

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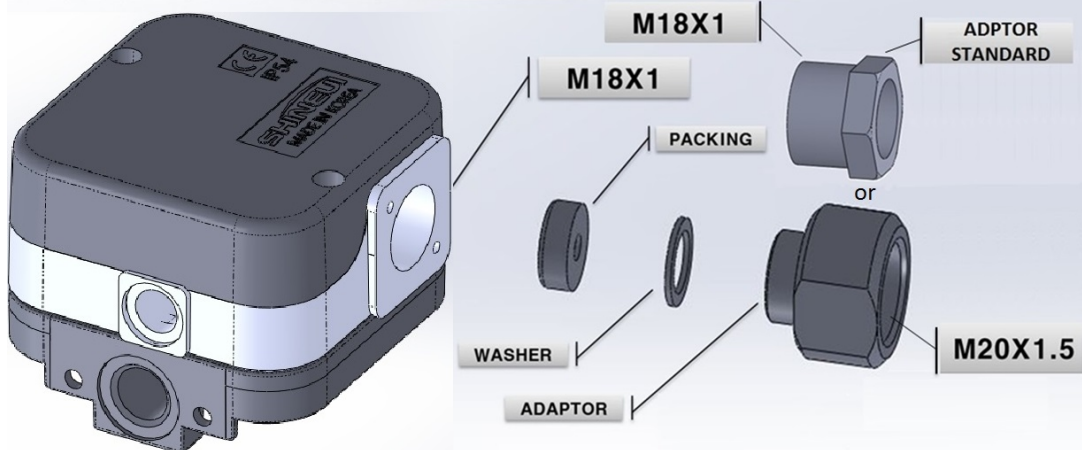
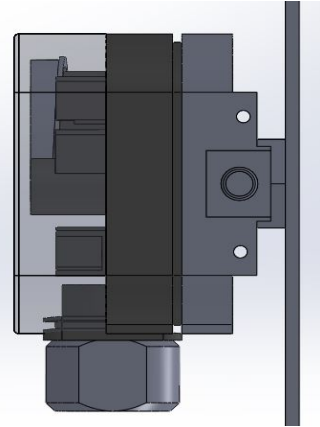
APPLICATION


This gas pressure switch is designed to monitor gas pressure and activate switch contacts accordingly.
This pressure switch can be used autonomously or integrated into a multifunctional gas control.

SPECIFICATIONS

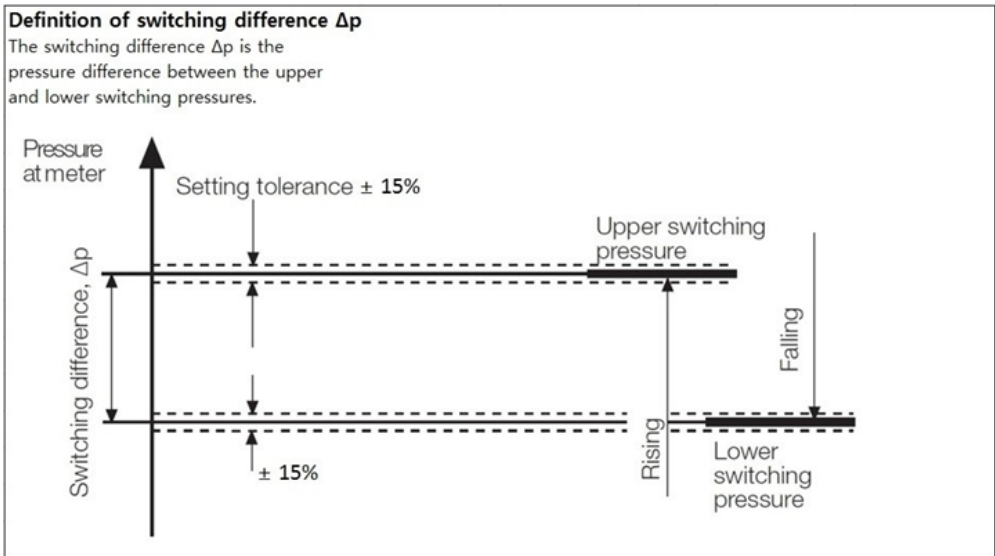
Type	: Adjustable type	
Material	: Body	Al DC
	: Diaphragm	H-NBR
	: Housing	Brass
	: Switch part	Polycarbonate
Ambient temperature	: -15 ~ 60℃	
Electrical rating	: 250VAC 6A(Resistive load)	
Control fluid	POSITIVE : LNG, LPG, AIR NEGATIVE : AIR	

SPECIFICATIONS

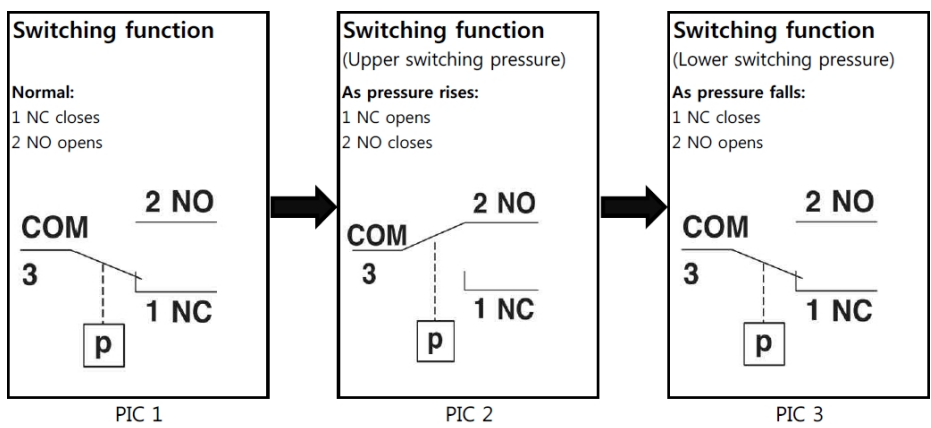
Model		SGPS-3V /PN	SGPS-5V /PN	SGPS-10V /PN	SGPS-50V /PN	SGPS-150V /PN	SGPS-500V /PN
Max. Permissible pressure		500 mbar			1 bar		
Stand pressure setting range	Factory set point (mbar)	0.4 ~ 3.0	0.5 ~ 5	2.0 ~ 10	2.5 ~ 50	30 ~ 150	100 ~ 500
	Switching Difference (ΔP)	≤ 0.3 mbar	≤ 0.3 mbar	≤ 0.4 mbar	≤ 1.5 mbar	≤ 5 mbar	≤ 13 mbar
	Adjustable tolerance	$\pm 15\%$					
	Differential	$\pm 15\%$					
Electrical connection (Refer to the picture) (Refer to the picture of page 3)		<p>In the bellow picture, usually Adaptor standard is used when we have a shipment generally</p> 					
Pressure connection		<p>POSITIVE : BSPF1/4"(PF 1/4") NEGATIVE : PF1/8 (See dimensions)</p>					
Installation Instructions		<p>Standard :Veritical installation(like below picture) According to the angle of the installation, the set point for the pressure move up or move down a little.</p> 					
Weight		: 198g					

Leak – Tightness	Non – leakage (Pmax X1.5 for 1minute) or Standard (EN1854 (7.2.2))
Endurance	50,000 Cycles (ON : 5sec / OFF : 5sec) Test pressure : Pmax X1.2 Standard : EN1854 (7.4.3)
Reference pictures	 <div data-bbox="1149 952 1428 1030" style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;">Electrical connetion DIN EN175301-803</div>

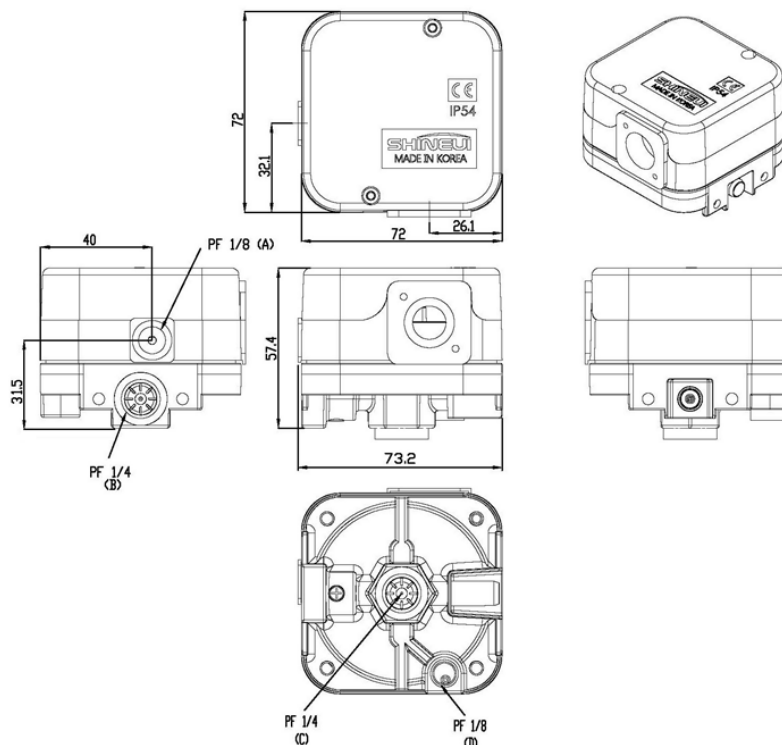
SCHEMATIC 1



SCHEMATIC 2



DIMENSIONS



※ NOTICE

- Holes and screw-thread-shapes -

A,C : Always opened and shaped

B,D : Depend on Customer's request

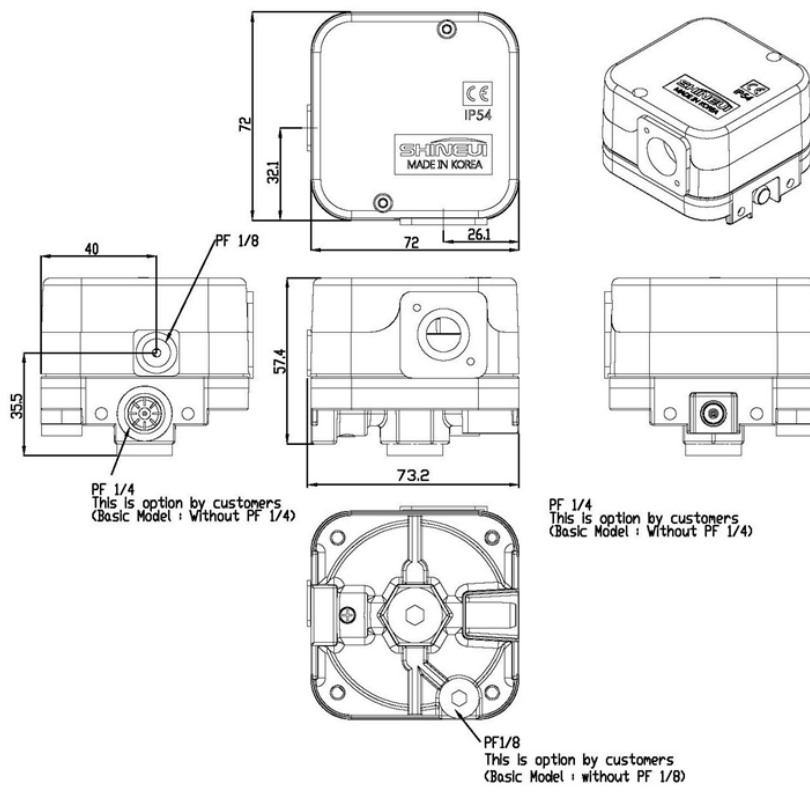


Fig 1. Gas pressure switch(V)

The specifications and dimensions can be changed without warning