

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.

CONTENTS

Application	1
Features	1
Specifications	1~2
Dimensions	2

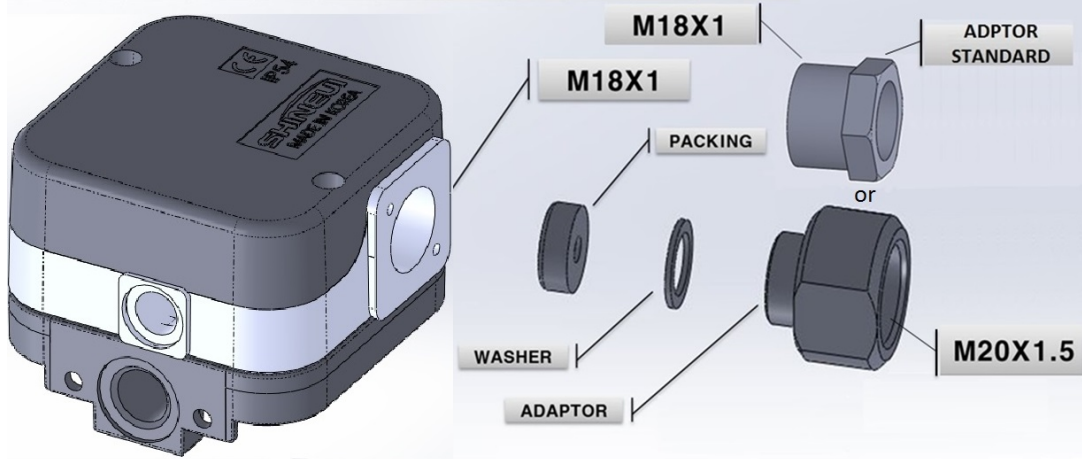
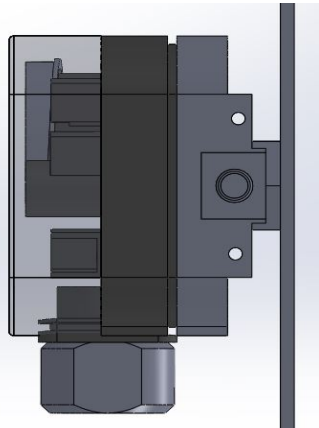
APPLICATION

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 NEGATIVE : Air	

SPECIFICATIONS

Model		SGPS-3V /PN	SGPS-5V / PN	SGPS-10V /PN	SGPS-50V /PN	SGPS-150V /PN	SGPS-500V /PN
Max. Operating pressure		500 mbar					1 bar
Max. Sustained 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	± 15%					
	Differential	± 15%					
Electrical connection		<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 :Veritcal 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					

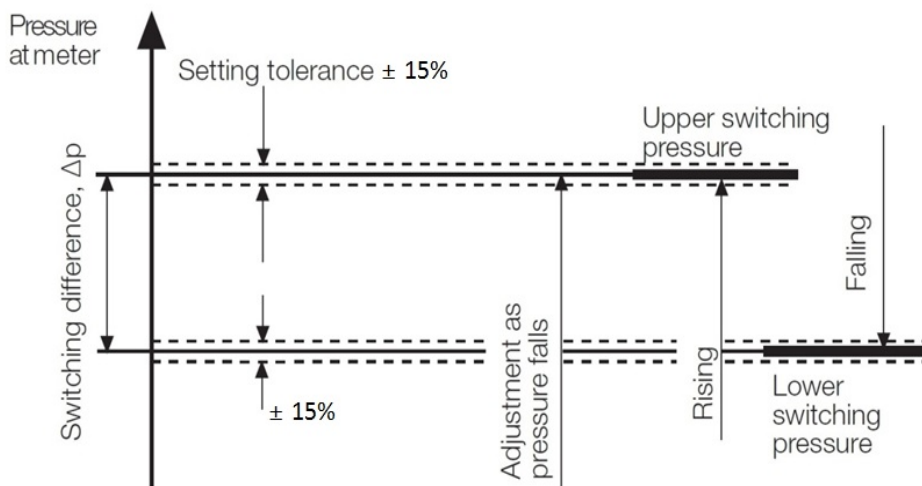
Reference pictures



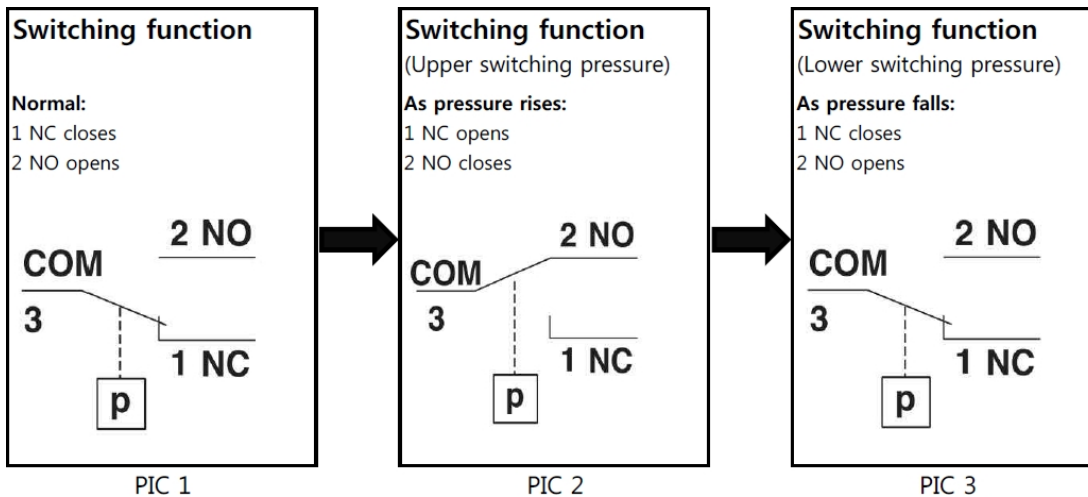
SCHEMATIC 1

Definition of switching difference Δp

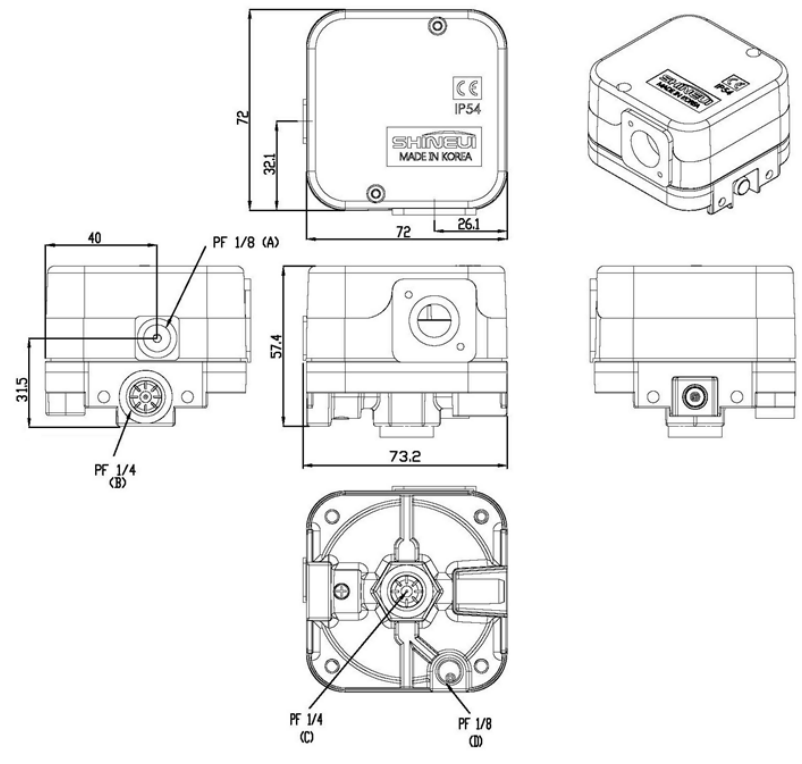
The switching difference Δp is the pressure difference between the upper and lower switching pressures.



SCHEMATIC 2



DIMENSIONS



※ NOTICE

- Holes and screw-thread-shapes -

A,C : Always opened and shaped

B,D : Depend on Customer's request

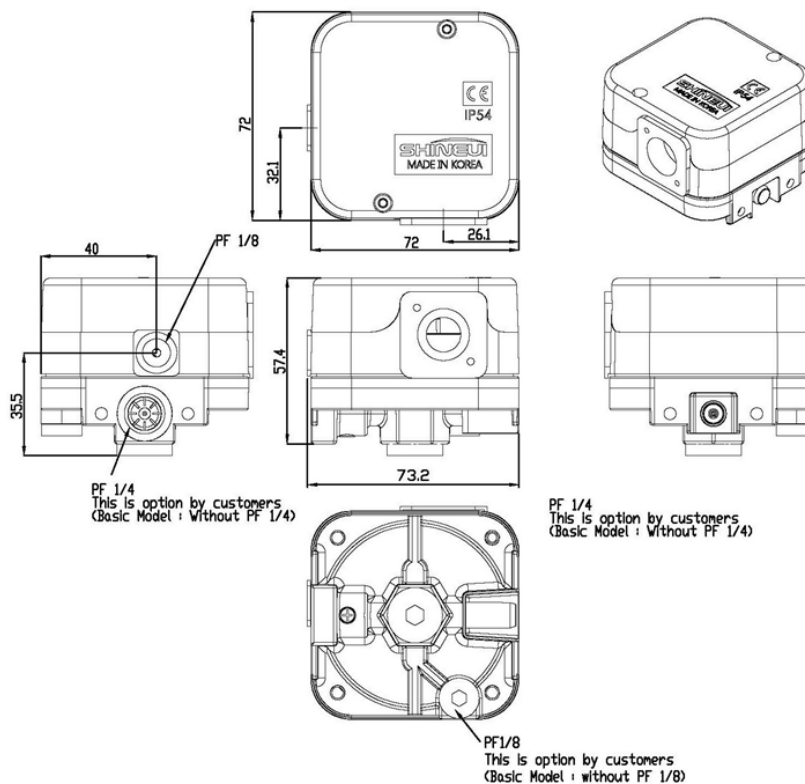


Fig 1. Gas pressure switch(V)

The specifications and dimensions can be changed without warning