SHINEUI
Shineui Entec co,. Ltd

ADD : 440-17 Cheong Cheon-Dong
Pu Pyung-Ku Inchon Korea
TEL : 82-32-503-3796 FAX : 82-32-504-0261

Air Pressure Switch(Variable)

(SAPS-3V) (SAPS-5V) (SAPS-10V)

PRODUCT SPECIFICATION SHEET

Base

Option

FEATURES

- This switch operates by a positive pressure and negative pressure, a differential pressure.
- This switch is operated to low pressure of 0 to 100mbar and a user is able to request necessary pressure point.
- This switch has a various models according to pressure setup.

CONTENTS

APPLICATION

This switch is used in motitoring flowing of air by differential pressure in HVAC or Gas burner.

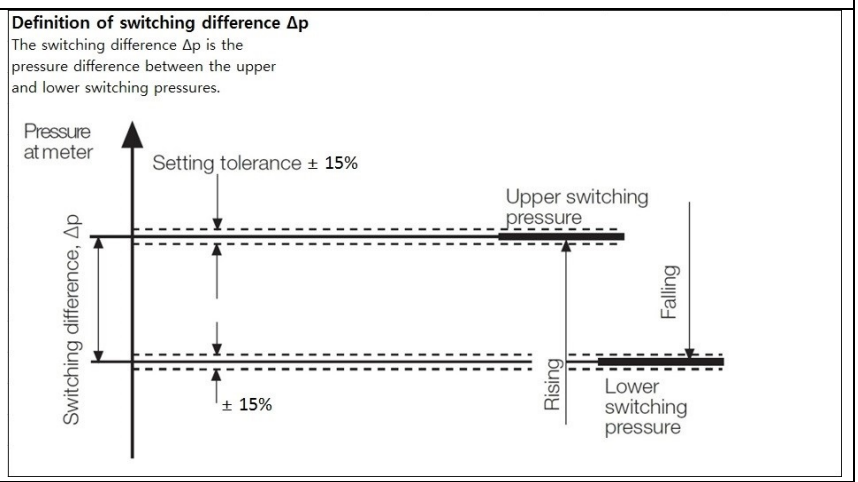
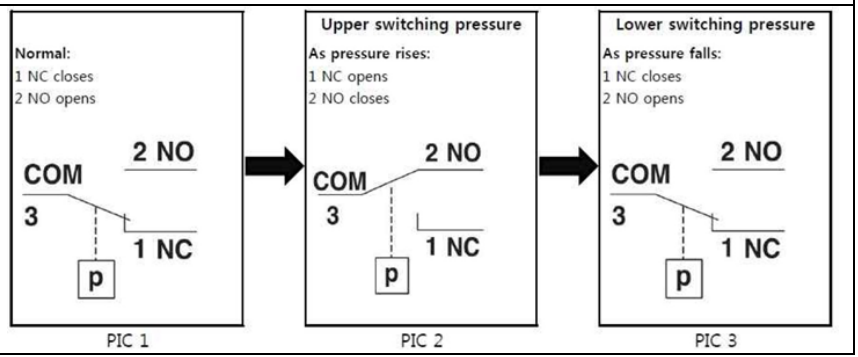
This switch has application to sensing of exhaust gas in oil, gas boiler and fan heater.

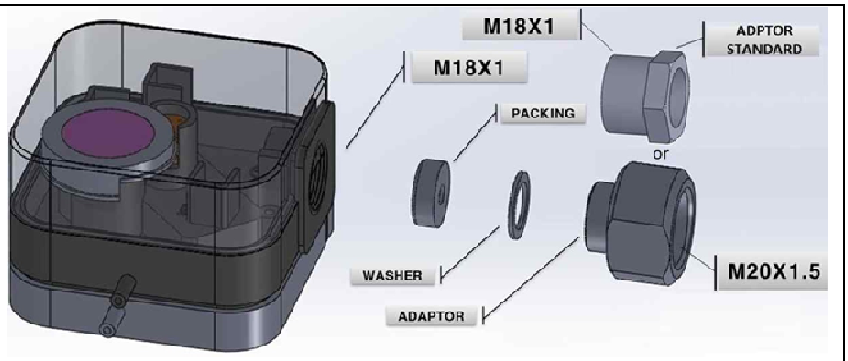
SPECIFICATIONS

Type	: Differential pressure type	
Installation	: Standard diaphragm vertical (factory setting) It has a little different value according to installation angle. In the case of horizontal installation, it has higher operationg pressure than vertical.	
Sensing fluid	: Air	
Electrical ratings	: 5A – 250VAC(Resistive load)	
Allowable temperature	: -20 ~ 60℃	
Operating pressure range (Max)	: 100 mbar	
Mounting	: 3 locating holes 4.2 for M4 locating screws.	
Material	: Body	PC (G/F 30%)
		Option : Aluminium - die casting
	: Diaphragm	Silicon
	: Spring	SUS304

www.shineui.co.kr shineui@shineui.co.kr

SPECIFICATIONS

Model		SAPS-3V	SAPS-5V	SAPS-10V
Operating pressure range		: 0.4 ~ 3 mbar	: 0.5 ~ 5 mbar	: 1 ~ 10 mbar
(ΔP)		: ≤ 0.3 mbar	: ≤ 0.4 mbar	: ≤ 0.5 mbar
Leak tightness		: 120 ㎤/h (Pressure condition 100mbar))		
Humidity		: RH 0 ~ 80%		
Shock		: 5G		
Constant resistance		: Initial, 150 mΩ (Max)		
Insulation resistance		: 100 MΩ, Min. DC500V Megger		
Dielectric strength	Terminal – Terminal	: 800 VAC/1 min		
	Terminal – Earth	: 1500 VAC/1 min		
Mechanical life cycle		: 200,000 Cycle		
Electrical life cycle		: 100,000 Cycle		
IEC-529 Standard		: IP 54		
Air connection		: Silicone or poly amide, polyurethane hose (Φ5 X Φ7) / Option : PF1/4		
Installation screw		: M4		
Electrical connection		: Male fast on 6.3X0.8mm		
Schematic 1				
Schematic 2				

Electrical connection (Refer to the picture)	
Weight	: 144g

DIMENSIONS

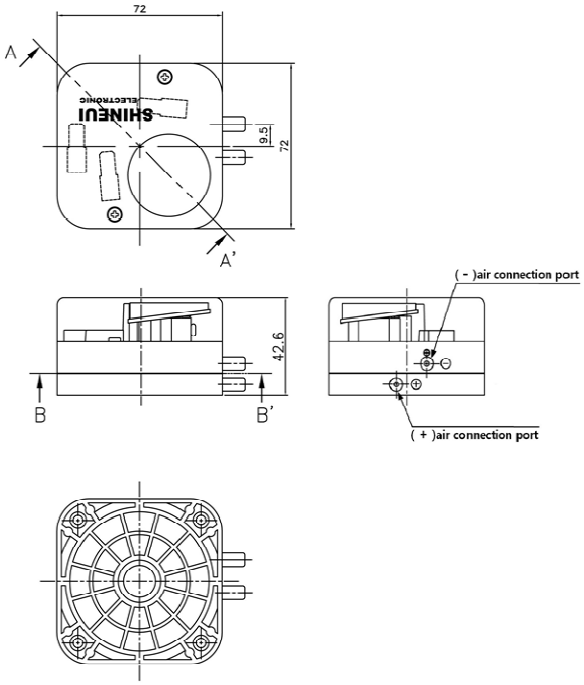


Fig 1. Air pressure switch(SAPS...V)

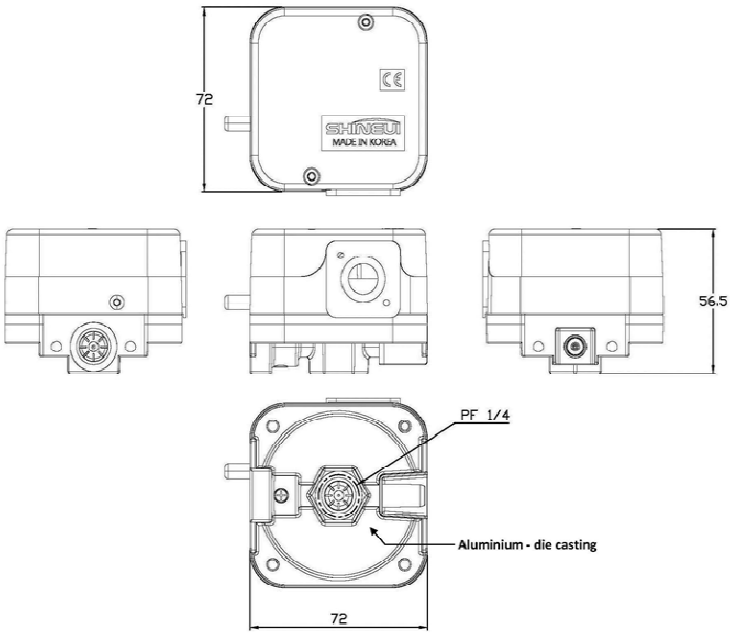


Fig 2. Air pressure switch (Option)

The specifications and dimensions can be changed without warning