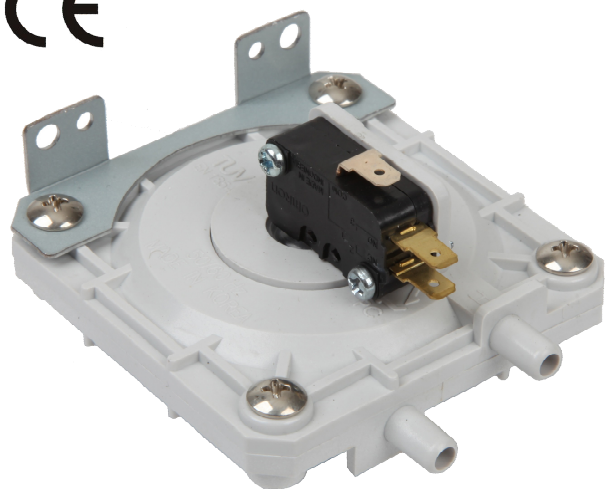
SHINEUI
Shineui Entec co,. Ltd

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

Air Pressure Switch(Fix)
(SAPS-70F)

CE approved : EN1854
EN60730

PRODUCT SPECIFICATION SHEET



FEATURES

- This switch operates by a positive pressure, negative pressure and a differential pressure.
- This switch is usually operated at the range of the low pressure of 10 to 300Pa and a user is able to request necessary pressure point.

CONTENTS

Application …… 1
Features …… 1
Specifications …… 1~2
Dimensions …… 2

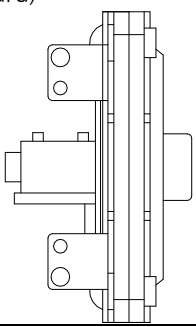
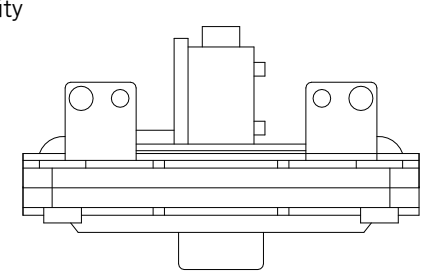
APPLICATION

This switch is used in air pressure sensing.
This switch has application to sensing of exhaust gas in oil, gas boiler and fan heater and so on.

SPECIFICATIONS

Type	: Differential pressure type	
Installation (Standard)	: Vertical (Optional type : Horizontal)	
Control fluid	: Air	
Electrical ratings	: 0.1A 125VAC, 0.1A 30VDC / 5A 250VAC	
Allowable temperature	: -20 ~ 85℃:	
Material	: Body	PC (G/F 30%)
	: Diaphragm	Silicone
	: Bellows	Silicone
	: Spring	SUS304
	: Switching contact	Ag-SnO2 (Optional : Au-plated)

SPECIFICATIONS

Allowable Pressure		: 1000 Pa
Momentary overpressure		: 2000 Pa
Pressure range for set-up point (ON point)		: 40 ~ 300 Pa (It can be changed by customers)
Difference between ON and OFF (ΔP)		: approx. 30 Pa
Leak tightness		: 120 ㎤/h (Pressure condition 1000 Pa)
Switching tolerance		: ± 10 Pa (It can be changed by customer)
Shock		: 5G
Constant resistance		: Initial, 150 mΩ.
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
Humidity		: RH 0~80%
Air connection		: Silicone Φ4 XΦ7, Φ5XΦ8
Installation screw		: M4
Electrical connection		: #187 4.8mm , #250 6.3mm
Installation Instructions		Verticality (Standard)  horizontality  when installing horizontally, the pressure switch switches at a lower pressure
Weight		: 74 g

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

※ NOTE
- Applying pressure over 2000Pa may cause the product to malfunction.
- In case of following circumstance, we recommend to discuss with us before using.
1. Vapours containing silicone can adversely affect the functioning of electrical contacts. In the case of low switching capacities such as 24V, less than 20mA, for example, we recommend using RC module or electronic switch(no-contact swithch) in air containing silicone or oil.
In case of high humidity or aggressive gas components (H2S), we recommend using a pressure switch with gold contact.
Closed-circuit current monitoring is recommended under difficult operating conditions.

DIMENSIONS

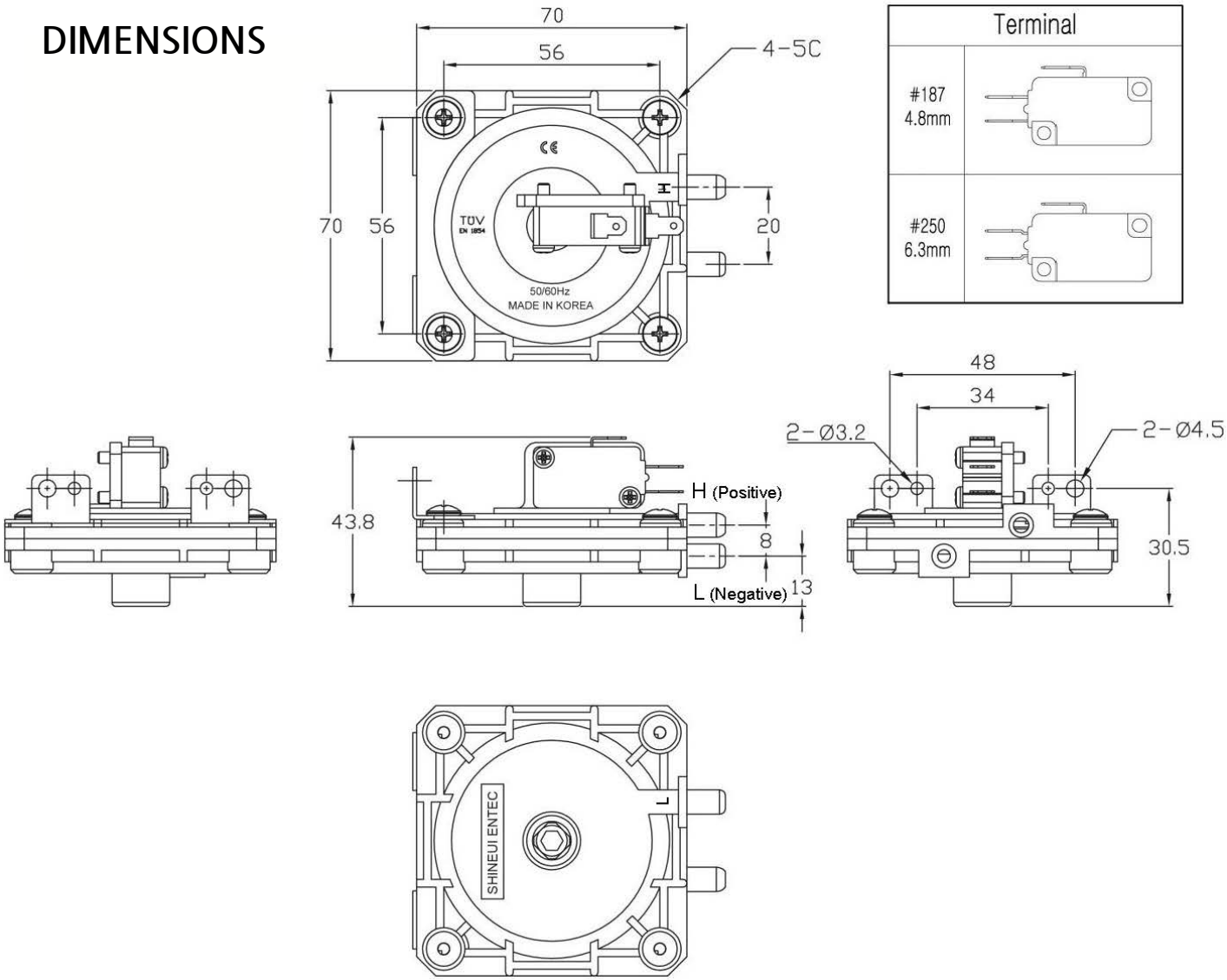


Fig 1. Air pressure switch(F)

The specifications and dimensions can be changed without warning

It has been manufactured in accordance with EN 1854.

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