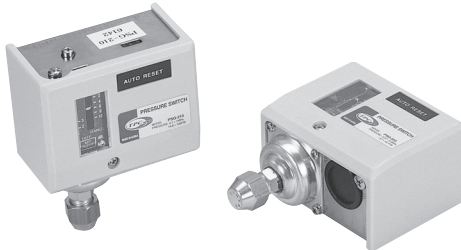


Series SPS

General Purpose Pressure Switch



- APPLICATION FOR HYDRAULIC, PNEUMATIC PARTS, SEMI-CONDUCTOR, CNC MECHINE, OXYGEN PRODUCER, COMPRESSOR, CHEMICAL PLANT AND POWER PLANT ETC. CONTROL PRESSURE AUTOMATIVELY.

- COMPACT DESIGN
- LIGHT WEIGHT

Symbol

How to Order

SPS **203** **L1** **02**
 1 2 3 4

1 General Purpose Pressure Switch

2 Operating Pressure Range
 203 : -0.05 ~ 0.3MPa(-0.5 ~ 3.1kgf)
 206 : -0.05 ~ 0.6MPa(-0.5 ~ 6.1kgf)
 210 : 0.01 ~ 1MPa(1 ~ 10.2kgf)
 220 : 0.05 ~ 2MPa(5 ~ 20.4kgf)
 230 : 0.05 ~ 3MPa(5 ~ 30.6kgf)

3 Lamp
 L1 : Lamp/AC110V
 L2 : Lamp/AC220V
 L5 : Lamp/DC24V

Cantion : This product(for DC24V) includes a resistance for LED current restriction.
 If this product is applied PLC, there would be a current leakage trouble.
 Be careful.

4 Port Size
 Blank : 7/16"~20(1/4" SAE Flare Type 45°)
 01 : PT 1/4"
 02 : PT 3/8"
 03 : Ø2, 4×100 Capillary Tube, 1/4" Flare Nut

Specification

Item \ Series	SPS-203	SPS-206	SPS-210	SPS-220	SPS-230
Fluid	Non Corrosive Water, Air, Liquids, Inert Gases, Steam				
Operating Pressure(kgf/cm ²)	0 ~ 3	0 ~ 6	1 ~ 10	5 ~ 20	5 ~ 30
Ambient and Fluid Temperature(℃)	-10 ~ 120℃(14~248°F)				
Range of On-Off control(kgf/cm ²)	0.35 ~ 2(4.98~28.44psi)	0.6~4(8.53~56.88psi)	1~3(14.22~42.66psi)	3~5(42.66~71.1psi)	3~10(42.66~142.2psi)
Proof Pressure kgf/cm ² (psi)	11(156psi)	16.5(235psi)		40(569psi)	
Weight(kg)	0.42(0.93 lbs)				
Connection	1ab(When pressure increasing, ON or OFF)				
Operate Frequency	1 Time / 1 sec				
Durability	100,000 Times or more				
Power Supply	AC110V 10A / AC220V 5A				
Using Voltage	DC24V, AC110V, AC220V				
Max. Supply Voltage	2 ~ 5A				
Shock Resistance	30G				

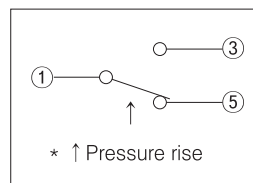
Using Fluid

Material of parts which meets Fluid must be considered.

Fluid	Material	
	Bellows	Parts which meets fluid
Non corrosive water, air, liquids, inert gases ※ Fluid which can't be corroded under 302°F	Phosphorus/bronze	C3604B

※ Use under 176°F at atmosphere.

Connection Structure



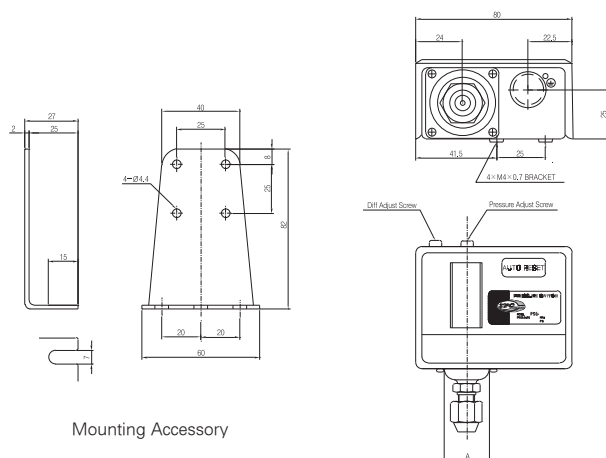
1 : Common Terminal
 3 : Close on, Pressure Decrease
 5 : Close on, Pressure Increase

[illegible]

No.	Name	Material	Note
①	Body	SPCC	
②	Flat	SPCC	
③	Lever	SPCC	
④	Lever Guide	SPCC	
⑤	Lever Pin	SUS	
⑥	Spring Stopper	SPCC	
⑦	Aed	SWCH	
⑧	Coil Spring	SWP	
⑨	Diff Spring Nut	SPCC	
⑩	Diff Spring	SWP	
⑪	Eding	SK	ø 4
⑫	Point	P.P	
⑬	Rod Boot	BSP	

No.	Name	Material	Note
(14)	Supporting Bolt	BSME	
(15)	Supporting Nut	BSME	
(16)	Packing	CR	
(17)	Scale Flat	AL	
(18)	Screw	SWCH	3×5
(19)	Switch Box	PHENOL	
(20)	Switch Cover	N6	
(21)	Terminal	BSP	
(22)	Lower of Terminal	BSP	
(23)	Upper of Terminal	BSP	
(24)	Supporting pin of terminal	BS	BS 4×5
(25)	Supporting Bolt	SWCH	3×10

(mm)



Mounting Accessory

Model	A	B	C
SPS203	38,5	38.9	22.4
SPS206	34.4	36	22.4
SPS210			
SPS220	22	32.7	18.5
SPS230			

Model	B
SPS-203-01	48.9
SPS-206-01	46
SPS-210-01	42.7
SPS-220-01	42.7
SPS-230-01	39.9
SPS-203-02	39.9
SPS-206-02	37
SPS-210-02	37
SPS-220-02	33.7
SPS-230-02	33.7