

Simple Electronic Pressure Switch

Series PS1000/1100

Features

- ➔ "Air checker" for air or dry inert gases
- ➔ Gives an output when air or vacuum is present
- ➔ Positive pressure and vacuum versions
- ➔ Small and lightweight construction
- ➔ Adjustable switching point
- ➔ Fits into a 6mm one-touch fitting



How to Order

PS 10 00 — R06 L — Q

Output specifications

10	2-wire system (For positive pressure)
11	2-wire system (For vacuum and residual pressure)

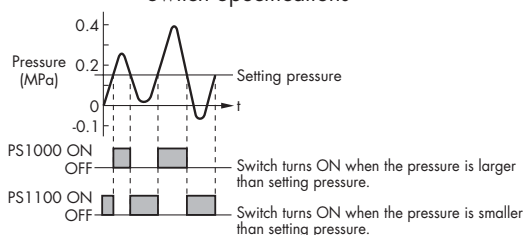
Lead wire length

L	3 m
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Piping specifications

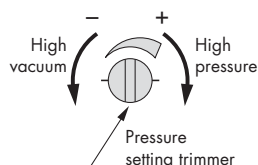
R06	ø6 reducer
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Switch Specifications



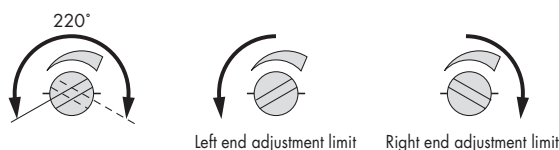
Pressure Switch Calibration

- Use the calibration adjustment to set ON pressure.
- Rotate clockwise to increase pressure setpoint. For setting vacuum, rotate counterclockwise.
- In the event of setting, use a flat head screwdriver suited for the groove of a trimmer, and rotate it lightly with a finger tip.



Trimmer

Rotation angle of the trimmer is 220°. There is a stop provided to prevent the trimmer from rotating beyond its limits. Rotation beyond the limit can damage the trimmer. Adjust the trimmer gently within the rotation angle.



Specifications

Model	PS1000-R06L	PS1100-R06L
Switch output	Present pres. ≥ Setting pres.: ON	Present pres. ≤ Setting pres.: ON
Max. operating pressure	1 MPa	
Regulating pressure range	-0.1 to 0.45 MPa	-0.1 to 0.4 MPa
Fluid	Air/Non-corrosive gas	
Indication light	ON: When red LED turns on	
Temperature characteristics	±3% F.S. or less	
Repeatability	±1% F.S. or less	
Hysteresis	4% F.S.	
Load voltage	12 to 24 VDC (Ripple ±10% or less)	
Load current	5 to 40 mA	
Leakage	1 mA or less	
Int. voltage drop	5 V or less	
Operating temperature range	0 to 60°C (With no condensation)	
Insulation resistance	Between external terminals and case 2 MΩ (500 VDC by megameter)	
Withstand voltage	Between external terminals and case 1000 VAC 50/60 Hz for 1 min.	
Vibration resistance	10 to 500 Hz Pulse width 1.5 mm or acceleration 98 m/s ² (at the smaller vibration) in X, Y, Z directions (2 hours)	
Impact resistance	980 m/s ² X, Y, Z directions (3 times for each direction)	
Weight	5 g (Excluding lead wire)	
Port size	ø6 reducer	
Enclosure	IP40	
Lead wire	Grommet oil-proof cabtire cord 2-wires ø2.55, 0.18 mm ² , 3 m	

Dimensions

