

SERIES

Features

- 1 output (hysteresis adjustable)
- 2 outputs
- Easy installation
- Fast response : 5ms





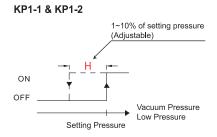
■ SPECIFICATIONS

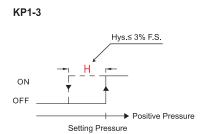
TYPE	Vacuum	Low	Positive
MODEL	KP1-1	KP1-2	KP1-3
1.0 MPa — 100.0 kPa — 0 -101.0 kPa —			
Setting pressure range	0 ~ -101 kPa	0 ~ 100 kPa	0 ~ 1 MPa
Withstand pressure	300 kPa		1.5 MPa
Fluid	Filtered air, Non-corrosive/Non-flammable gas		

■ FEATURES HIGHLIGHT

1 Hysteresis adjustable

Output hysteresis (H) is user adjustable

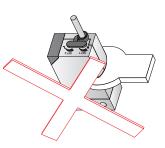




■ INSTALLATION PRECAUTIONS

- When mounting, always use the wrench on the metallic area near the pressure port. Never apply a wrench to the plastic body, it will damage the sensor.
- Over tightening may cause damages to the port thread, mounting bracket and pressure sensor. Under tightening may result loosen or leakage.
- Apply pressure and power after installation and make necessary adjustments and inspect any possible signs of leakage to ensure proper installation.

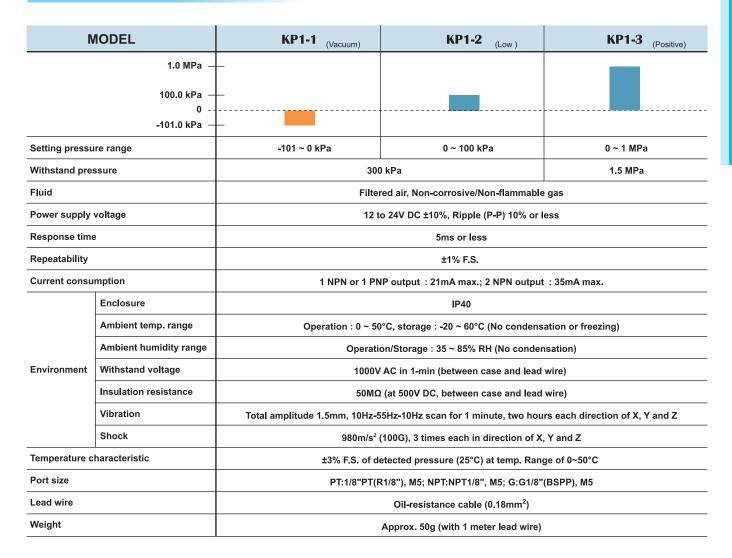








SPECIFICATIONS



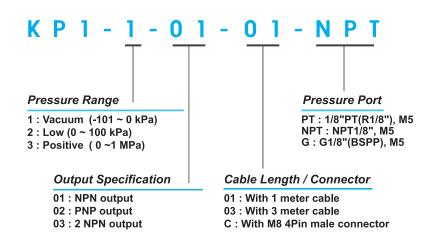
■ CIRCUIT WIRING DIAGRAMS

MODEL	KP1-□- 01	KP1-□- 02	KP1-□- 03
CONNECT DIAGRAM CHARACTERISTICS	Brown DC(+) Red Black RL Out T DC 12-24V	Red Black Rt DC(+) Blue DC(-) Blue DC(-)	Red Black Rt Journ JOC 100 don Autor Toc Joc Journ Journ Joc Green Blue DC(-)
Output method	NPN open collector 30V 80mA	PNP open collector 80mA	NPN open collector 30V 80mA
Hysteresis	1~10% of setting pressure (Adjustable)		3% F.S.or less (Fixed)
Setting points	1 Point		2 Points
Operation indicating Lamp	Red LED turns on		Out1 = Red, Out2 = Green



SERIES

ORDERING INFORMATION





Optional Part

M84R-W0072-2M: With M8 4Pin female connector

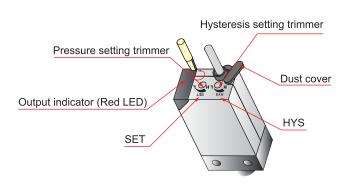
■ HOW TO SET PRESSURE

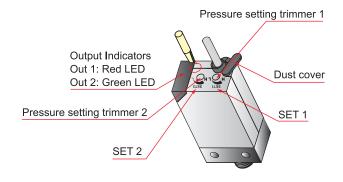
KP1- □ **-** 01,02

- Remove dust cover to make any adjustments. Replace dust cover when finished to prevent foreign object from entering.
- Pressure setting trimmer (SET) is for setting the output (ON) pressure. Rotate SET trimmer counter-clockwise to increase (Pressure or Vacuum) the ON point. Rotate clockwise will decrease the setting pressure.
- Hysteresis setting trimmer (HYS) is for changing the hysteresis. Rotate trimmer counter-clockwise to increase the range 1~10%.
- Use appropriate size screwdriver for the setting trimmers.
 Gently turn the screwdriver to make adjustments. Do not force the trimmer when it comes to a stop to prevent damage to the setting trimmer.

KP1- □ - 03

- Remove dust cover to make any adjustments. Replace dust cover when finished to prevent foreign object from entering.
- Pressure setting trimmer (SET 1, SET 2) is for setting the output (ON) pressure. Rotate SET trimmer counterclockwise to increase (Pressure or Vacuum) the ON point. Rotate clockwise will decrease the setting pressure.
- Hysteresis for models with two outputs is 3% fixed.

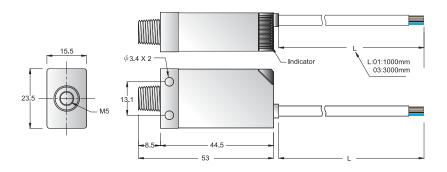




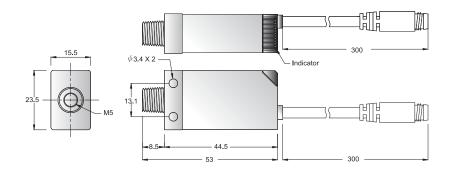


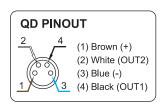
■ DIMENSIONS

KP1 - □ - □ - □



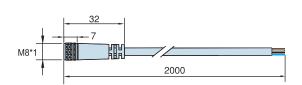
KP1-□ - □ - C - □





■ OPTIONAL PART DIMENSIONS

M8 Female Connector model: M84R-W0072-2M





Unit:mm