

# KP10A KP10B

RoHS  
CE

## SERIES

### FEATURES

- Simple installation, plug-in port or thread fitting
- Setting pressure range : -0.1 ~ 0.6 MPa
- Normally Open / Normally Close



### SPECIFICATIONS

MODEL	KP10A	KP10B
Operating pressure range	-0.1 ~ 1.0 MPa	
Setting pressure range	-0.1 ~ 0.6 MPa	
Fluid	Air, Non-corrosive / Non-flammable gas	
Load voltage	12 to 24V DC ±10%, Ripple (P-P) 10% or less	
Load current	5 ~ 40mA	
Leak current	≤1mA	
Internal voltage drop	≤5V	
Switch output	Present Press. ≥Set Press.:ON	Present Press. ≥Set Press.:OFF
Repeatability	±1% F.S.	
Response time	Approx.1ms	
Hysteresis	≤ 4% F.S.	
Indicator	Red LED turns ON	
Enclosure	IP 40	
Temperature characteristic	±3% F.S. of detected pressure (25°C) at temp. Range of 0~50°C	
Ambient temp. range	Operation: 0 ~ 60°C ( No condensation or freezing)	
Piping method	R1/8", M5; NPT1/8", M5; G1/8"(BSP), M5; M5*0.8; Ø4mm; Ø6mm	
Lead wire	Oil-resistance cable, 2 wires (0.18mm <sup>2</sup> ), Ø2.6	
Weight	Approx. 50g (with 3 meter lead wire)	

### FEATURES HIGHLIGHT

#### Simple installation

Plug-in port for push-to-connect fittings



#### Compact size

Extremely compact size 26(L)x10(W)x10.4(H) mm to fit the most confined areas



## ORDERING INFORMATION

**K P 1 0 A** -  -

### Switch Specifications

- A : Switch turns ON when the pressure is larger than setting pressure.  
 B : Switch turns OFF when the pressure is larger than setting pressure.

### Pressure Port

- F1 : R1/8", M5  
 F2 : NPT1/8", M5  
 F3 : G1/8"(BSPP), M5  
 M5 : M5\*0.8  
 R4 : Ø 4mm Tube  
 R6 : Ø 6mm Tube

### Cable Length / Connector

- Blank : With 3 meter cable  
 C : With M8, 3Pin male connector

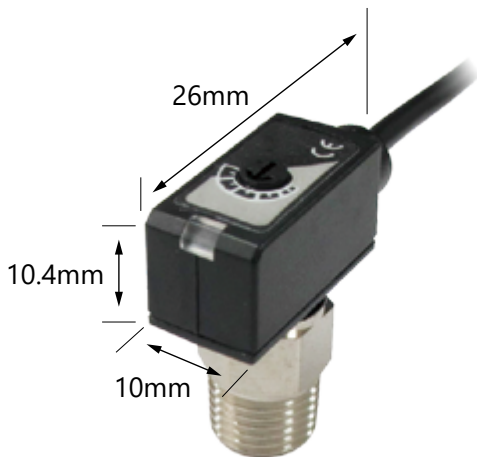
### Optional part

#### M8 3Pin female connector

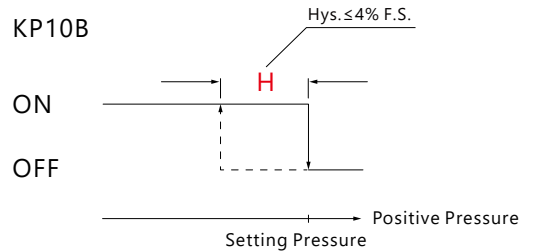
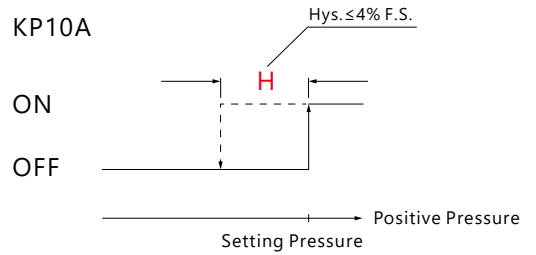


M83R-W0114-2M : M8 3Pin

## DIMENSIONS

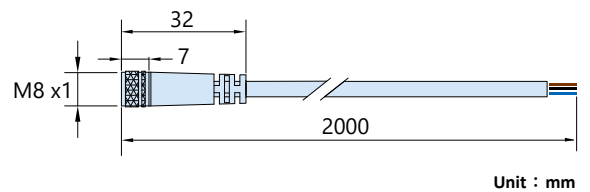


## OUTPUT TYPE

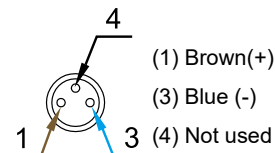


## OPTIONAL PART DIMENSIONS

M8 Female Connector model : M83R-W0114-2M

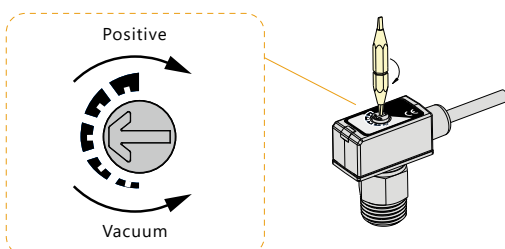


### QD PINOUT



## HOW TO SET PRESSURE

- Use the pressure setting trimmer to set "ON" pressure. Rotate clockwise to increase pressure setpoint .
- Rotate counter-clockwise to decrease pressure setpoint .
- Use appropriate size screwdriver for the setting trimmers. Gently turn the screwdriver to make adjustments. To prevent damage to the pressure setting trimmer, DO NOT force the trimmer when it comes to a stop.



## CIRCUIT WIRING DIAGRAM

