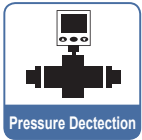


### Features

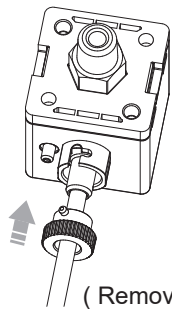
- 2-color digital LCD display
- Copy function
- Programmable pressure unit :  
kPa 、 kgf / cm<sup>2</sup> 、 bar 、 psi 、 inHg
- IP65 enclosure



### Features Highlight

#### 1 Quick Installation

- Save installation time
- Easy removal



( Removable data cable )

#### 2 Copy Setting

- Avoid setting errors
- Reduce setting time



#### 3 Easy Unit Identification

- Conversion unit is on display and easy to read.



#### 4 2-Color Display

- User programmable color mode, for different setting conditions.



	5.00	5.00	6.00	7.00
ON	Green	Red	Green	Red
OFF	Red	Green	Green	Red

#### 5 IP65 Compliance



#### 6 Environmental Protection Design

- RoHS Compliance / Without Harmful Substance





# KP45S SERIES

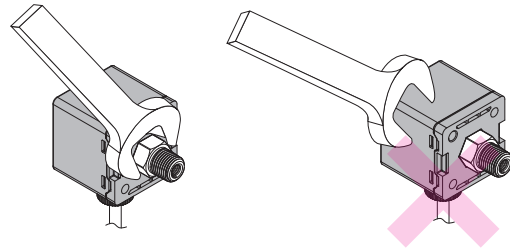
# IP65 Low Pressure Sensor

## Panel Description



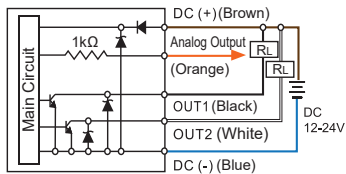
## Installation Precautions

- 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.

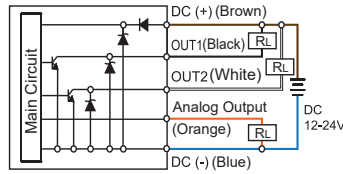


## Circuit Wiring Diagrams

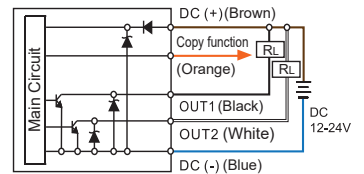
**KP45S □ - 010 - □**  
2 NPN + Analog Output ( 1 ~ 5 V )



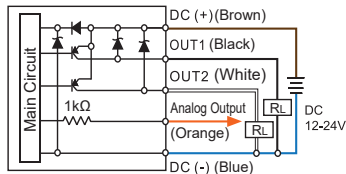
**KP45S □ - 011 - □**  
2 NPN + Analog Output ( 4 ~ 20 mA )



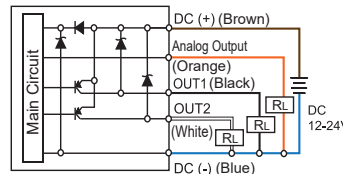
**KP45S □ - 02 - □**  
2 NPN + Copy Function



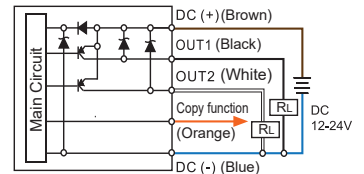
**KP45S □ - 030 - □**  
2 PNP + Analog Output ( 1 ~ 5 V )



**KP45S □ - 031 - □**  
2 PNP + Analog Output ( 4 ~ 20 mA )



**KP45S □ - 04 - □**  
2 PNP + Copy Function



## Ordering Information

**K P 4 5 S - 0 1 0 - F 1**

### Pressure Range

S : Compound ( -10.10 ~ 10.10 kPa )

### Output Specifications

010 : 2 NPN Output & Analog Output ( 1 ~ 5 V )  
011 : 2 NPN Output & Analog Output ( 4 ~ 20 mA )  
02 : 2 NPN Output & Copy Function  
030 : 2 PNP Output & Analog Output ( 1 ~ 5 V )  
031 : 2 PNP Output & Analog Output ( 4 ~ 20 mA )  
04 : 2 PNP Output & Copy Function

### Pressure Port

F1 : R1/8", M5, with external threads  
F2 : NPT1/8", #10-32UNF, with external threads  
F3 : G1/8" ( BSPP ), M5, with external threads  
F1C : Rc1/8", with internal threads  
F2C : NPT1/8", with internal threads  
F3C : G1/8" ( BSPP ), with internal threads

### Optional Parts

BT-10 : Mounting bracket ( for Pressure Port F1 ~ F3 )  
BT-11 : Mounting bracket ( for Pressure Port F1 ~ F3 )  
BT-1 : Mounting bracket ( for Pressure Port F1C ~ F3C )  
BT-17 : Mounting bracket ( for Pressure Port F1C ~ F3C )  
PA-E : Panel adapter  
PA-F : Panel adapter + Front protective lid

### Optional Parts

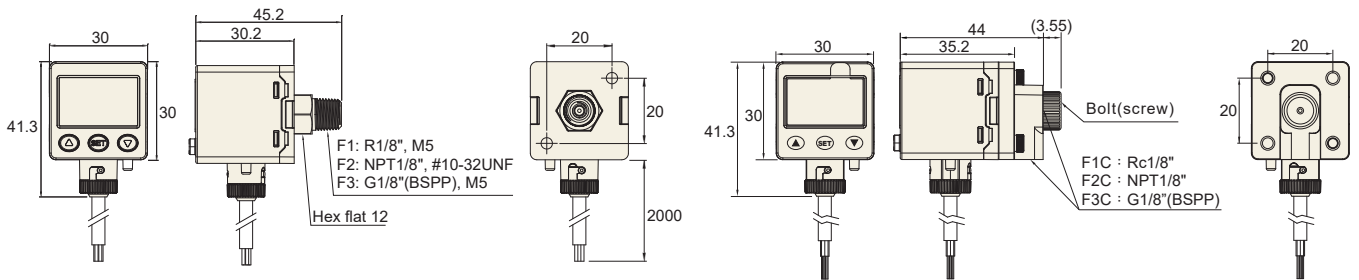
- Mounting Bracket :  
BT-10 / BT-11 ( For Pressure Port F1 ~ F3 )  
BT-1 / BT-17 ( For Pressure Port F1C ~ F3C )

- Panel Adapter : PA-E

- Panel Adapter + Front Protective Lid : PA-F

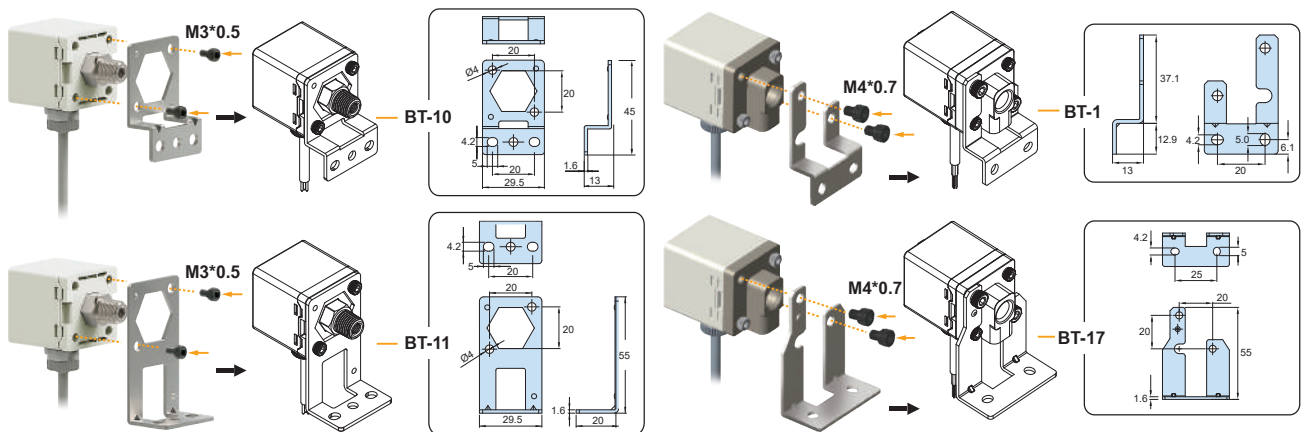


## Dimensions

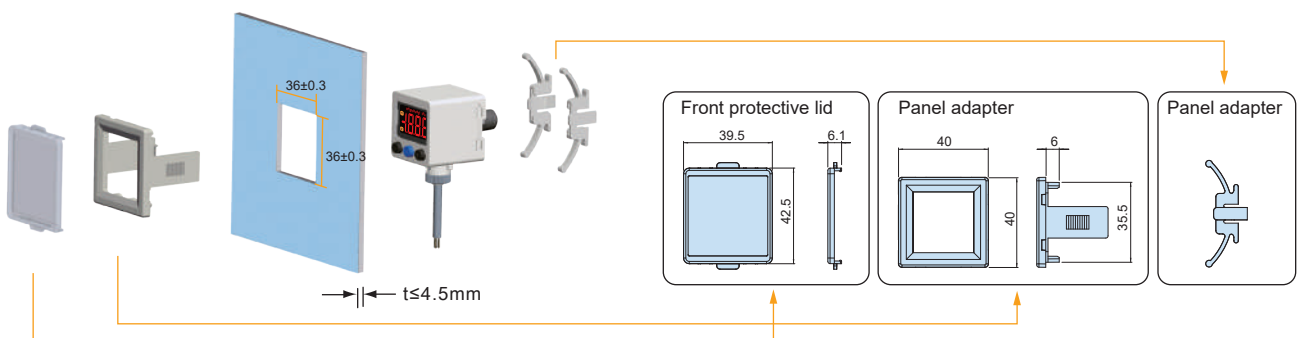


## Optional Parts Dimensions

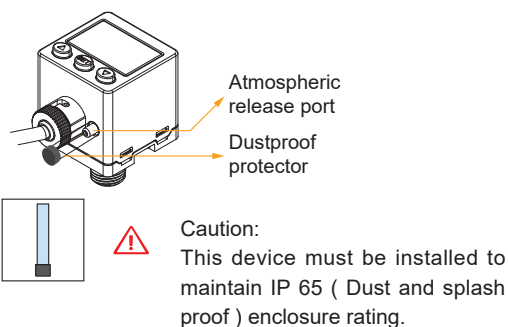
### 1 Mounting Bracket



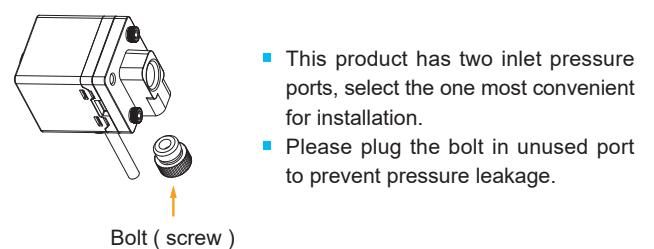
### 2 Panel Mount Adapter + Front Protective Lid



### 3 IP65 Protector



### 4 KP45S Accessory for Pressure Port F1C ~ F3C



- This product has two inlet pressure ports, select the one most convenient for installation.
- Please plug the bolt in unused port to prevent pressure leakage.

Unit : mm