

# Explosion-Protected Pressure Switch

Model No. **KCD-32 Series**

**KINS**



**KCD-32**

[Explosion-protected of protection] Ex d IIB T5

## Safety Management

- Do not give impact during the transportation, installation and usage.
- Be sure to install pressure gauge to be horizontal and vertical.
- Do not use over the capacity of the switch (The standard of using is under AC 220V 15A).

## Purpose of Use

- Indicating, warning and controlling pipe pressure in explosion district.
- Indicating, warning and controlling LNG, LPG plant's pressure
- Indicating, warning and controlling of chemical industry plan which has the possibility of explosion.

## Production Specification

- ▶ **Pointer Type**
  - No indication
- ▶ **Accuracy**
  - Repeatability :  $\pm 1.0\%$  of Adj Range
  - Dead Band :  $\pm 4.0\%$
- ▶ **Scale Range**
  - $-0.1 \sim 0$  MPa,  $0.05 \sim 10$  MPa
  - ( $\times 1$  MPa =  $10.19716$  kgf/cm<sup>2</sup>)
- ▶ **Working Pressure**
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- ▶ **Working Temperature**
  - Ambient :  $-20 \sim 65^{\circ}\text{C}$
  - Fluid :  $-20 \sim 80^{\circ}\text{C}$
- ▶ **Explosion-Protected of Protection**
  - Ex d IIB T5

## Product Specification

- |   |  |  |
|---|--|--|
| + <b>Case</b> <ul style="list-style-type: none"><li>· Aluminum(Hammer tone coating)</li></ul>   | + <b>Cable Gland</b> <ul style="list-style-type: none"><li>· 2-PF 1/2"(Standard)</li></ul>   | + <b>Bourdon tube(Element)</b> <ul style="list-style-type: none"><li>· STS 316</li></ul>   |
| + <b>Cover</b> <ul style="list-style-type: none"><li>· Aluminum(Hammer tone coating)</li></ul>  | + <b>Contact rating</b> <ul style="list-style-type: none"><li>· AC 125V, 250V 15A</li><li>· DC 30V 2A / 125V 0.4A / 250V 0.2A</li></ul>  | + <b>Option</b> <ul style="list-style-type: none"><li>· Diaphragm Seal</li><li>· 2B Pipe Stanchion</li><li>· Accessories</li></ul> |
| + <b>Connection</b> <ul style="list-style-type: none"><li>· STS 316, Other special material</li><li>· PF, PT, NPT <math>\leftrightarrow</math> 1/2, 3/8</li></ul> | + <b>Contact Form</b> <ul style="list-style-type: none"><li>· Micro Contact Type</li><li>· SPDT * 1, SPDT * 2, DPDT * 1</li><li>(High, Low, High &amp; High High &amp; Low, Low &amp; Low)</li></ul> |  |

## Summary

This pressure switch is proper for pressure control, flow control, liquid level control such as oil pressure, air pressure, water pressure and so on. It was designed considering shock resistance, durability, etc. It has high accuracy, high reliability by using bourdon as an element. The micro switch works on various kinds of fluid and atmosphere pressure.

Pressure Gauge

Differential Pressure Gauge & Switch

Accessories of Pressure Gauge

Thermometer & Thermometer Switch

Thermocouple & R.T.D

Thermowell

Transmitter

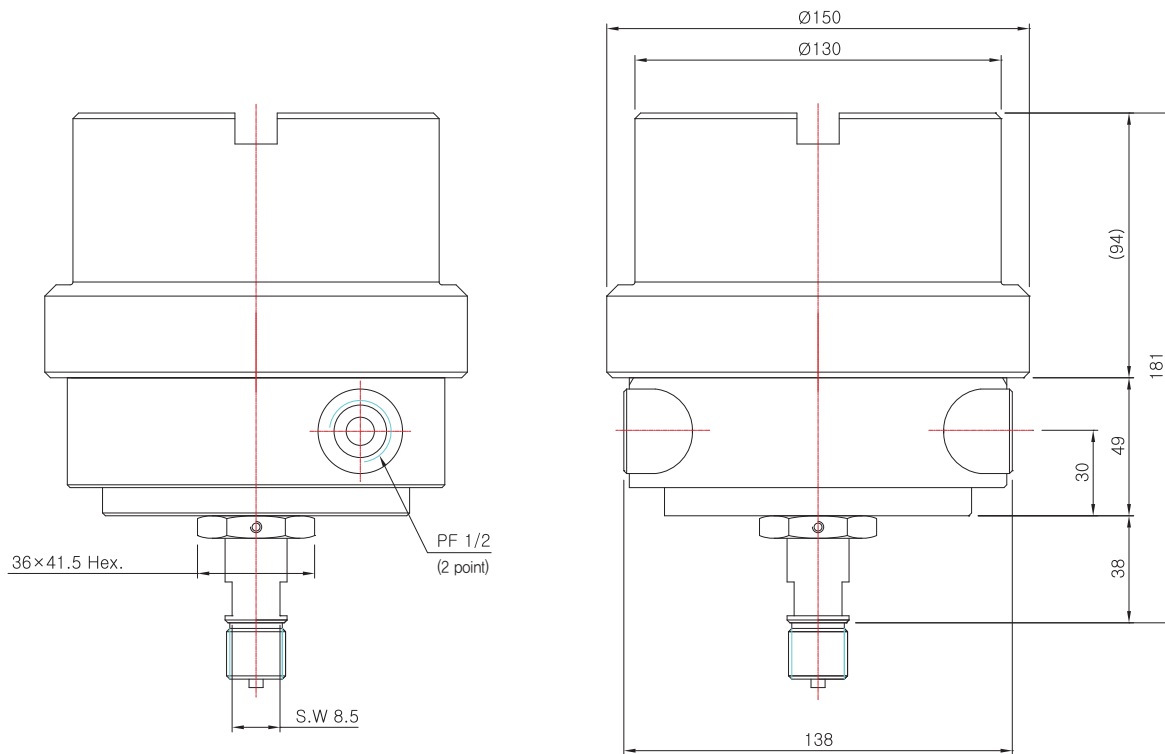
Indicator etc.

Technical data

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### Connection diagram

1 S/W

2 S/W