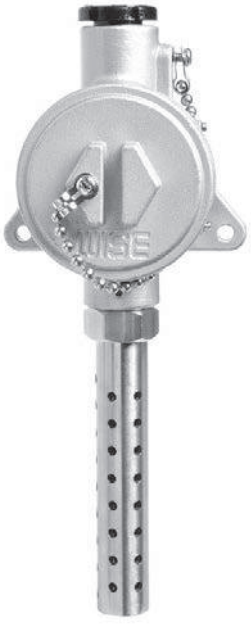
# Resistance temperature detector for room and refrigerator
## Model : R430

Spec. sheet no. RD04-01

### Service intended
Model R430 temperature sensor incorporates a built-in platinum resistance which is suitable for indoor and ducting area use. Its application expands to buildings, storage rooms, and HVAC systems, and it delivers accurate detection and indication of current temperature.

- High reliable Pt 100 Ω output.
- Quick response and little hysteresis.
- Small and compact design.
- Good apperance and easy installation.
- Low cost sensing element.




## Standard features

### Head
Aluminium casting

### Enclosure
Weatherproof : R430W
Explosion proof : R430E

### Element
Pt 100 Ω at 0 ℃, 316L SS
TCR : 3,850 ppm/k

### Protecting tube and shroud tube material
304SS (Tube type)
316L SS (Sheath type)

### Protecting tube outer diameter
8 mm (Standard)

### Shroud tube diameter and length
19 and 100 mm

### Working temperature
-50 ~ 200 ℃

### Tolerances on temperature reading
Class A : ± (0.15 + 0.002 l t l)
Class B : ± (0.3 + 0.005 l t l)

## Main order

## Ordering information

### 1. Base model

| | |
|---|---|
| **R430** | RTD for room and refrigerator |

### 2. Head type

| | |
|---|---|
| **W** | Weatherproof |
| **E** | Explosion proof |

### 3. Element

| | |
|---|---|
| **P** | Pt 100 Ω (Tube type / B) |
| **Z** | Pt 100 Ω (Sheath type / B) |
| **8** | Pt 100 Ω (Tube type / A) |
| **9** | Pt 100 Ω (Sheath type / A) |

### 4. Tube material

| | |
|---|---|
| **0** | 304SS, Tube type only |
| **1** | 316L SS, Sheath type only |

### 5. Tube outer diameter (mm)

| | |
|---|---|
| **F9** | 6.4 |
| **G9** | 8.0 |

### 6. Conduit connection

| | |
|---|---|
| **1** | ½" PF |
| **2** | ⅜" PF |

### 7. Mounting type

| | |
|---|---|
| **Z** | Surface mounting |

### 8. Connection type

| | |
|---|---|
| **AA** | None |

### 9. Tube length (mm)

| | |
|---|---|
| **A** | 100 |
| **B** | Other |

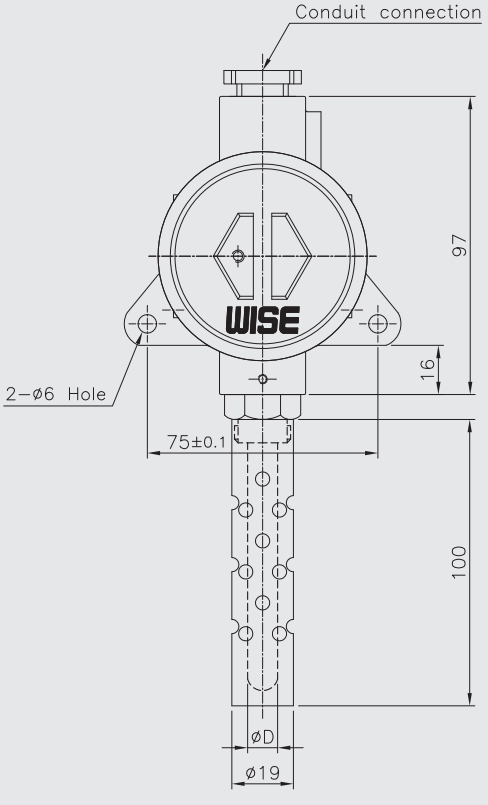
### 10. Option

| | |
|---|---|
| **0** | None |

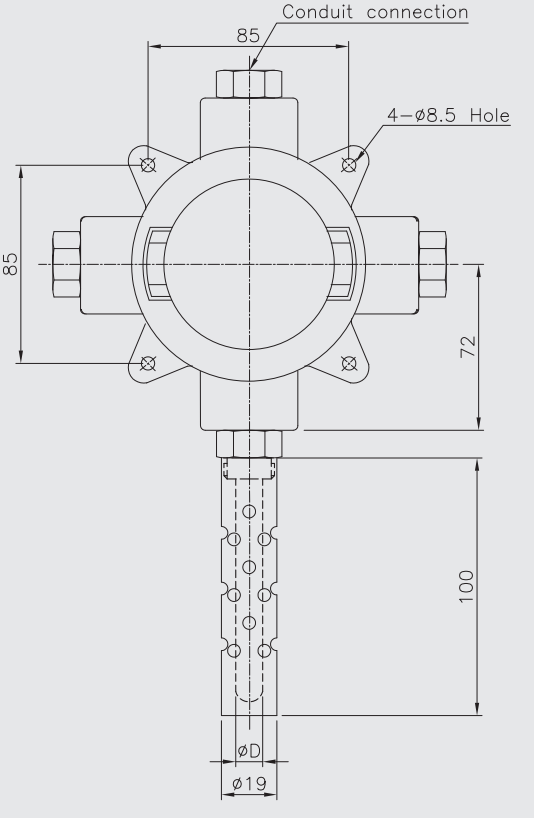
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
|---|---|---|---|---|---|---|---|---|---|---|
| **R430** | **W** | **P** | **0** | **G9** | **1** | **Z** | **AA** | **A** | **0** | **Sample ordering code** |

## R430 : Type of mounting

CODE W (Weatherproof)




CODE E (Explosion proof)



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