for 1 resistance thermometer / Size : M18

Operating
distance
1...4mm

Transmitter   Output sensor

4
1
LED

M18x1
24
(29)

35   10
61
(1000)

10   63
77.5
94   (2000)
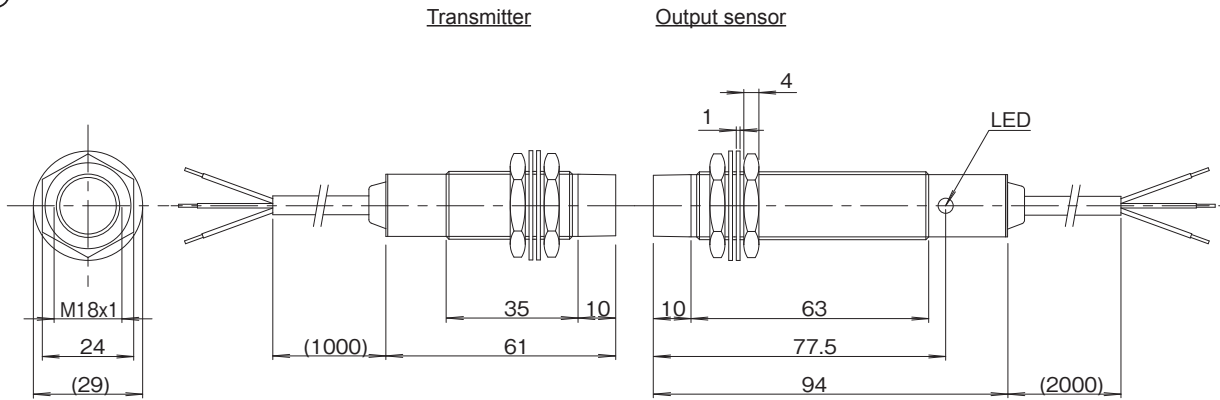
A039

Wiring	C016 / P.126

Transmitter		
Type Code	0...100℃	**RTT-1804-PT1B10-PU-01**
	0...200℃	**RTT-1804-PT1B20-PU-01**
	0...300℃	**RTT-1804-PT1B30-PU-01**

Sensor type	Resistance thermometer type Pt100 3-wire
No. of Input signal	1 signal
Measuring range	0...100℃ , 0...200℃ , 0...300℃
Operating distance	1...4mm
Center offset	±2.5mm
Operating temperature	0...+60℃
Protection class	IP67
Cable	PUR / φ5 , 3x0.34mm^2
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 75 g ＋ Cable35 g × 1 m
Remark	

Output sensor	
Type Code Current output	**RTE-1804E-PU-02**

Supply voltage	24V DC ±5%（including ripple）
Current consumption	≦ 150mA
No. of Output signal	1 signal
Output	4...20mA
Resolution	≦ 0.5℃
Response delay	≦ 0.5 sec.
LED	Inzone
Operating temperature	0...+60℃
Protection class	IP67
Cable	PUR / φ5 , 3x0.34mm^2
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 95 g ＋ Cable35 g × 2 m
Remark	

Notes

- For detector, please use Resistance thermometer type Pt100 (3-wire) that meets the JIS C1602.
- The temperature range is allowed as ;
  RTT-1804-PT1B10-PU-_ _ : 0...100℃
  RTT-1804-PT1B20-PU-_ _ : 0...200℃
  RTT-1804-PT1B30-PU-_ _ : 0...300℃
- Output is current source,therefore please connect the load between output and negative.

## Typical Transmitting Diagram （Supply voltage at 24V / non-flush mount）

RTT-1804-PT1B_0-PU-01 / RTE-1804E-PU-02

Y   mm
7
6
5
4
3
2
1
10 8 6 4 2 0 2 4 6 8 10   X

X:Center offset (mm)
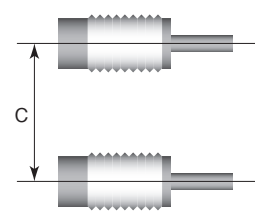Y:Operating distance (mm)

Rated value
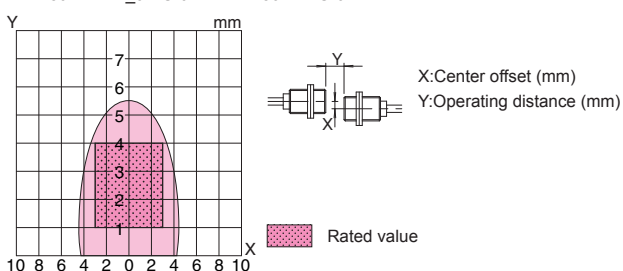
Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted sensors, keep the minimum free zone as described below.
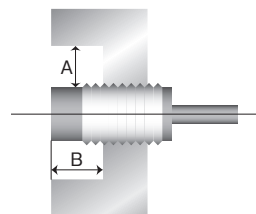
■ Surrounding metal   ■ Parallel installation

A
B
C

Type Code	A(mm)	B(mm)	C(mm)
RTT-1804-PT1B_0-PU-_ _	20	15	110
RTE-1804E-PU-_ _			