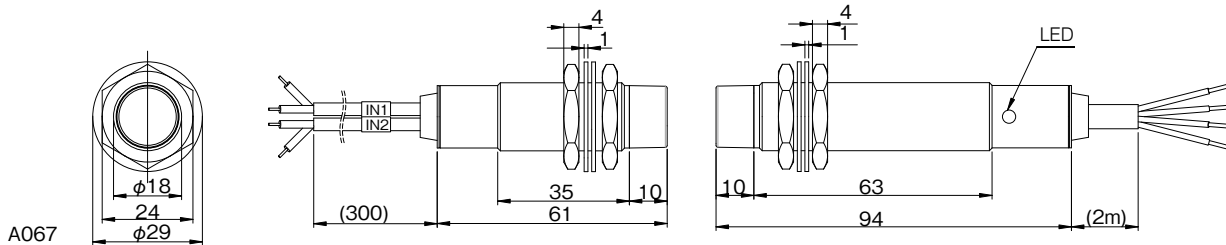


for 2 thermocouple K type / Size : M18

Operating distance  
1...4mm

Transmitter

Output sensor



2 compensating lead wires Outer diameter : 3.2x5.1mm  
color of outer sheath : Blue, VX-G:7/0.3x2

Wiring C015/P.121

Transmitter	
Type	0...1000°C RS02T-018-K1000
Code	0...300°C RS02T-018-K300
Applicable sensor	JIS Thermocouple K
No. of input signal	2 (1CH, 2CH)
Measuring range	0...1000°C or 0...300°C
Compensated cold junction	$\leq \pm 0.5^\circ\text{C}$
Operating distance	1...4mm
Center offset	$\pm 2.5\text{mm}$
Operating temperature	0...+80°C
Protection class	IP67
Cable	Compensating lead wire(JIS) 0.9mm x 2 All heat-resistant vinyl (90°C)
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	120 g (incl. cable)
Remarks	

Output sensor	
Type	RS02E-018E-PU-02
Code	
Operational voltage	24V DC $\pm 5\%$ (include ripple)
Current consumption	$\leq 150\text{mA}$
No. of output signal	4 ... 20 mA $\times 2$
Load current	$\leq 400 \Omega$
Resolution	$\leq 0.1\%$ FS
Response delay	$\leq 0.5$ sec.
Linearity	$\leq \pm 0.8\%$ FS
LED	InZone (data valid)
Operating temperature	0...+80°C
Protection class	IP67
Cable	PUR, $\varnothing 5\text{mm}/4 \times 0.25\text{mm}^2$
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 95g + Cable 30g x 2m
Remarks	

### Notes

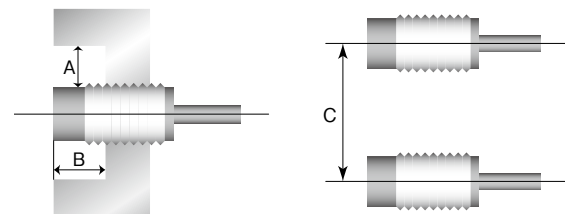
- Please use thermocouple K type complying to JIS.
- The measurement temperature range is within the specifications mentioned above.
- Output is current source, therefore please connect the load between output and negative.

### Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

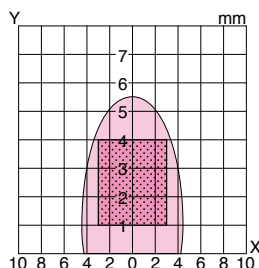
Surrounding metal

Parallel installation



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

RS02T-018-K \_ \_ \_ / RS02E-018E-PU- \_ \_



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

Rated value

Type Code	A(mm)	B(mm)	C(mm)
RS02T-018-K1000	20	15	110
RS02T-018-K300			
RS02E-018E-PU- _ _			