

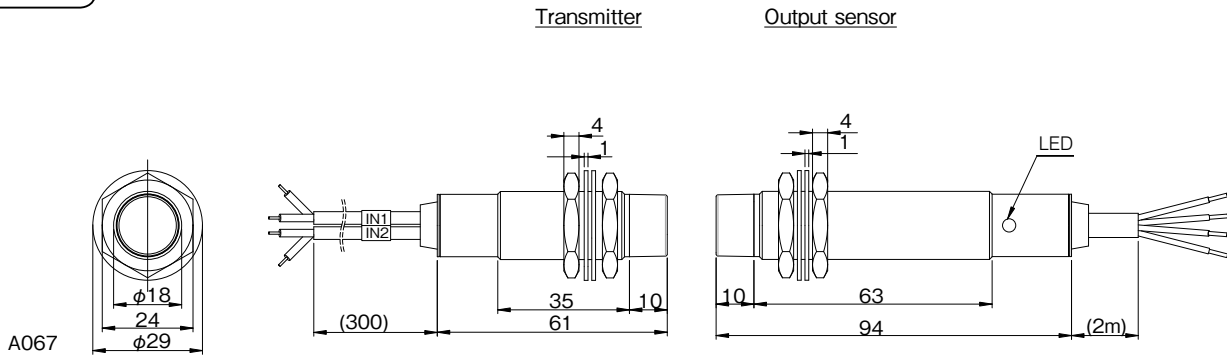
RS02T-018K  
RS02E-018

RS02T-018J  
RS02E-018

2  
signal

for 2 thermocouple J type / Size : M18

Operating distance  
1...4mm



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

Wiring C015/P.121

Transmitter	
Type Code	0...300°C RS02T-018-J300
Applicable sensor	JIS Thermocouple J type
No. of input signal	2
Measuring range	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	

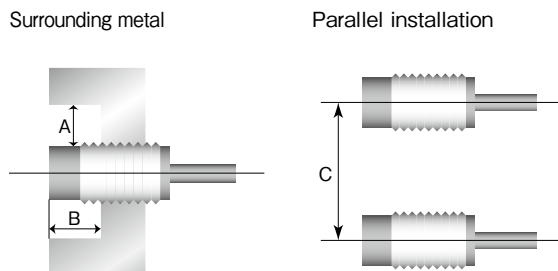
Output sensor	
Type Code	RS02E-018E-PU-02
Operational voltage	24V DC $\pm 5\%$ (include ripple)
Current consumption	$\leq 150\text{mA}$
No. of output signal	4 ... 20 mA $\times 2$
Load current	$\leq 400 \Omega$
Resolution	$\leq 0.1\%$ FS
Response delay	$\leq 0.5 \text{ sec.}$
Linearity	$\leq \pm 0.8\%$ 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 95 g + Cable 30 g x 2m
Remarks	

### Notes

- Please use thermocouple J 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

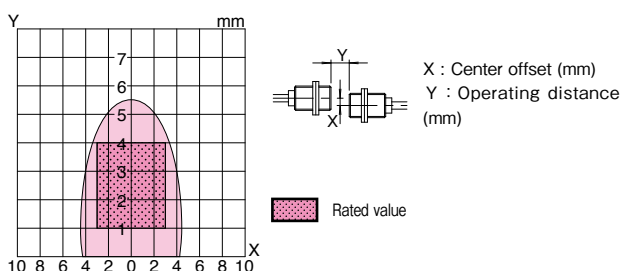
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.



Type Code	A(mm)	B(mm)	C(mm)
RS02T-018-J300	20	15	110
RS02E-018E-PU-__			

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

RS02T-018-J300 / RS02E-018E-PU-\_\_



Signal type  
Analog

Sensor type  
Thermocouple K · J

Remote Sensor

DC 3-wire detector type

DC 3-wire type Terminal unit

DC 2-wire detector type

DC 2-wire type Terminal unit

Exclusive detector type

Thermocouple K/J type

Resistance thermometer type

Load cell type

Analog sensor type

Exclusive sensor

Terminal box Other unit

Wiring

Products for maintenance

Special spec.

Alphanumeric product list