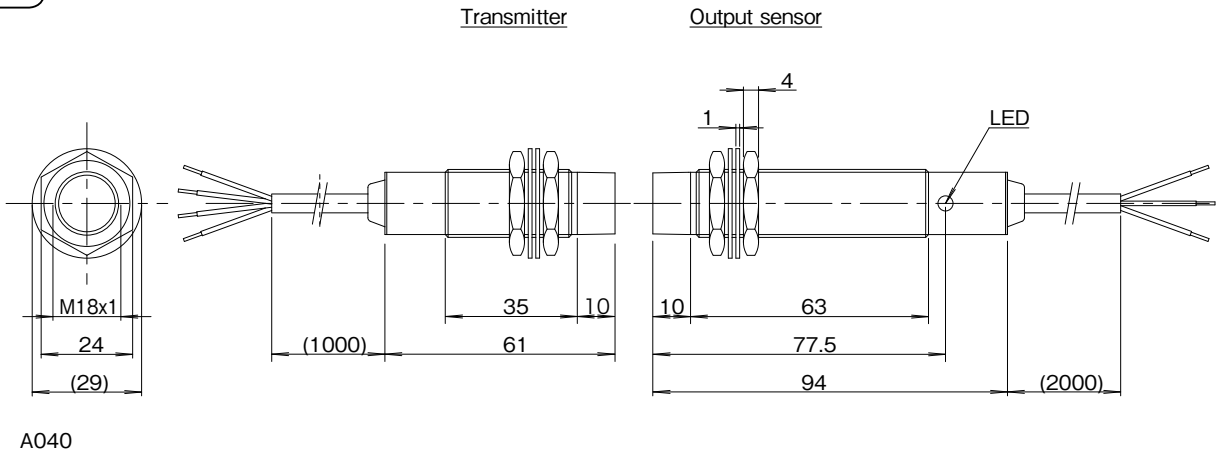


for 1 load cell / Size : M18

Operating distance  
1...4mm



Wiring C017/P.121

		Transmitter		
Type	1mV/V	RNT-1804-LC10-PU-01		
Code	1.5mV/V	RNT-1804-LC15-PU-01		
	2mV/V	RNT-1804-LC20-PU-01		
Applicable sensor	Compression load cell 350 Ω ± 10%			
No. of input signal	1			
Operating distance	1...4mm			
Center offset	± 2.5mm			
Input sensitivity	1mV/V	1.5mV/V	2mV/V	
Resolution	≤ 1%	≤ 0.75%	≤ 0.5%	
Operating temperature	0...+60°C			
Protection class	IP67			
Cable	PUR / Ø5.5, 4x0.25mm <sup>2</sup> with shield			
Material	Housing	Nickel plated brass		
	Active face	Nylon 12		
Weight	Body 80 g + Cable 50 g x 1 m			
Remarks				

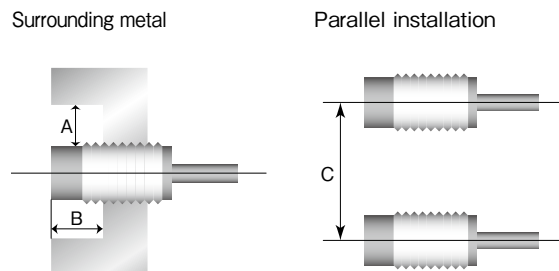
		Output sensor	
Type		RTE-1804E-PU-02	
Code	Current output		
Operational voltage	24V DC ± 5% (incl. ripple)		
Current consumption	≤ 150mA		
No. of output signal	1		
Output	4...20mA		
Resolution	≤ 0.5...1% (depending on input sensitivity)		
Response delay	≤ 0.5 sec.		
LED	InZone		
Operating temperature	0...+60°C		
Protection class	IP67		
Cable	PUR / Ø5, 3x0.34mm <sup>2</sup>		
Material	Housing	Nickel plated brass	
	Active face	Nylon 12	
Weight	Body 95 g + Cable 35 g x 2 m		
Remarks			

### Notes

- Use a compression load cell (350 ohm +/- 10%) as a detector.
- Connect the load between output and negative, for current output is current source.

### Installation notes

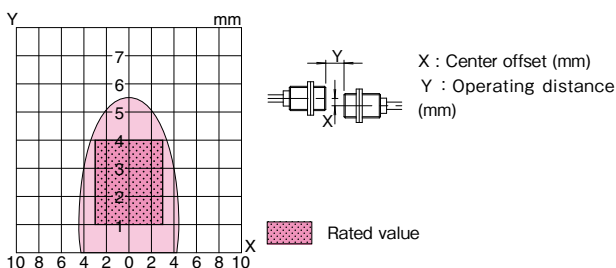
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

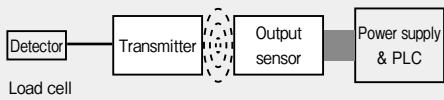


Type Code	A(mm)	B(mm)	C(mm)
RTT-1804-LC_-_-PU-_-	20	15	110
RTE-1804E-PU-_-			

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

RTT-1804-LC\_-\_-PU-01 / RTE-1804E-PU-02






RNT-18\_LC  
RNE-18




Signal type



Analog

Sensor type



Load cell  
mV/V

## 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  
type

Resistance  
thermometer type

Load cell type

Analog sensor  
type

Exclusive sensor

Terminal box  
other unit

## Wiring

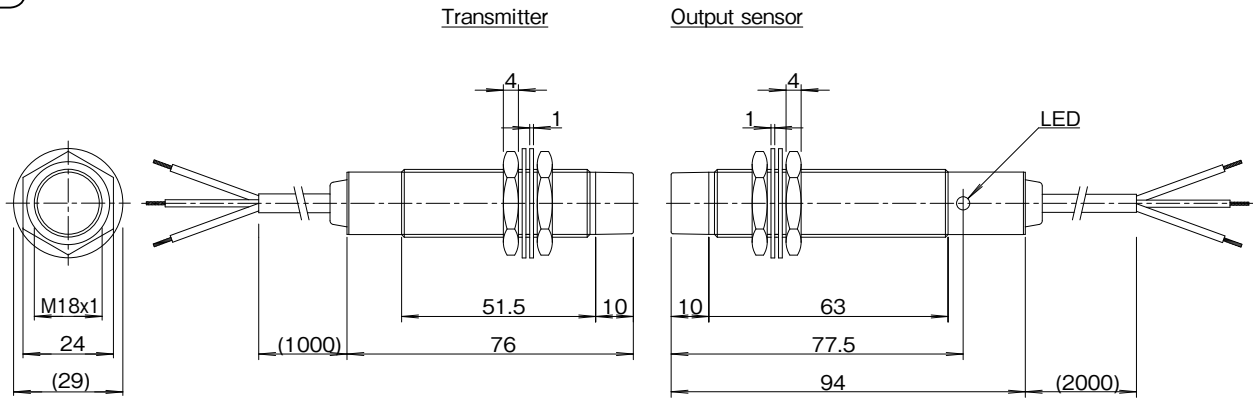
Products for  
maintenance

Special spec.

Alphanumeric  
product list


for 1 analog sensor / Size : M18

Operating distance  
0...2.5mm



A041

Wiring C018/P.121

Transmitter	
Type Code	0...10V RNT-1803-VS10-PU-01
Applicable sensor	Analog sensor output 0...10V
No. of input signal	1
Drive voltage	20 ± 4V DC
Drive current	max.10mA
Operating distance	0...2.5mm
Center offset	± 2mm
Operating temperature	0...+60°C
Protection class	IP67
Cable	PUR / Ø5 , 3x0.34mm <sup>2</sup>
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 80 g + Cable 35 g x 1 m
Remarks	

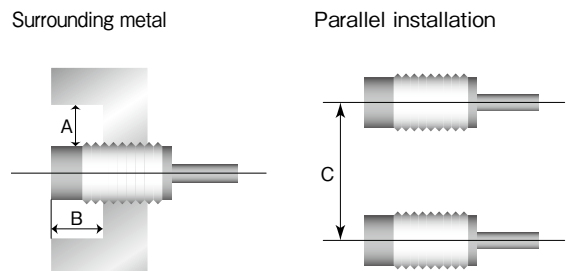
Output sensor	
Type Code	RNE-1803A-PU-02
Operational voltage	24V DC ± 5% (incl. ripple)
Current consumption	≤ 150mA
No. of output signal	1
Output	0...10V
Resolution	0.1%
Response delay	≤ 0.2 sec.
LED	InZone
Operating temperature	0...+60°C
Protection class	IP67
Cable	PUR / Ø5 , 3x0.34mm <sup>2</sup>
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 90 g + Cable 35 g x 2 m
Remarks	

### Notes

- Use the analog sensors which fulfill the specifications below:
  - (1) Output voltage : 0...10V
  - (2) Operating voltage : 16...24V
  - (3) Current consumption : ≤ 10mA

### Installation notes

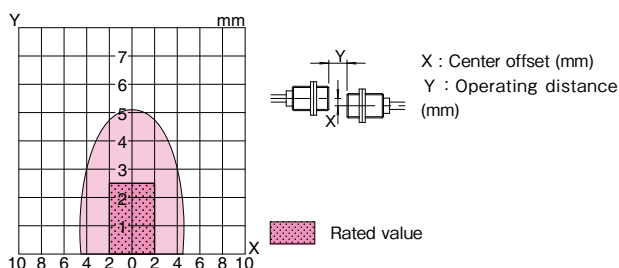
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

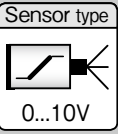
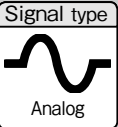
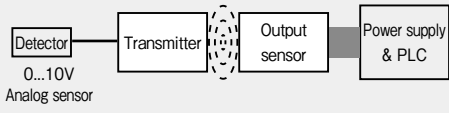


Type Code	A(mm)	B(mm)	C(mm)
RNT-1803-VS10-PU-__	20	15	110
RTE-1803A-PU-__			

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

RNT-1803-VS10-PU-01 / RNE-1803A-PU-02





**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 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