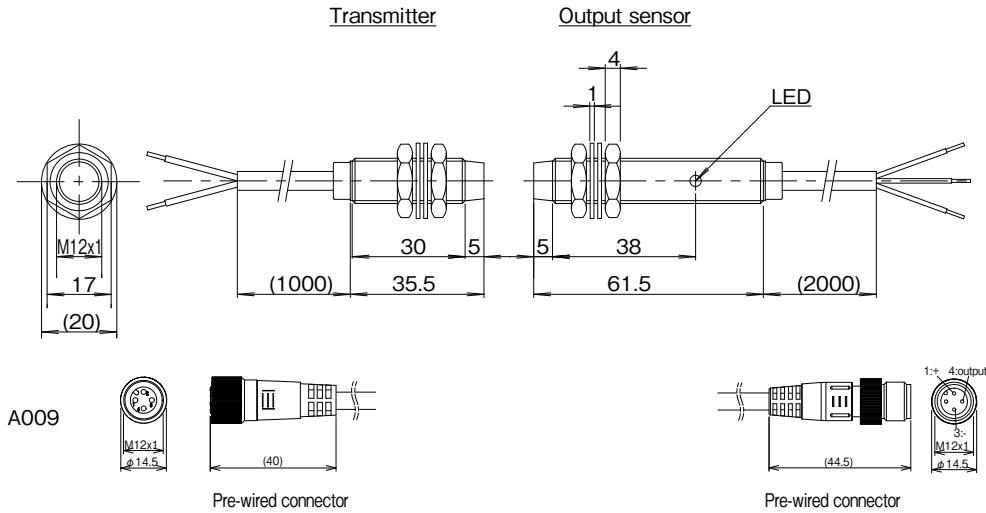


for 1 sensor / Size : M12

Operating distance
0...2mm



Wiring C012/P.120

| | | Transmitter | |
|-----------------------|--|---------------------|---------------------|
| | | Cable | Pre-wired connector |
| Type | RXD | RXT-1202-PU-01 | RXT-1202-PU-CP0.3 |
| Code | Mechanical | RST-1202-PU-01 | - |
| Drive voltage | --- | | |
| Drive current | --- | | |
| No. of input signal | 1 | | |
| Operating distance | 0...2mm (0...1.6mm) | | |
| Center offset | ± 1.5mm | | |
| Drive current | --- | | |
| Operating temperature | 0...+50°C | | |
| Protection class | IP67 | | |
| Cable | PUR / Ø5 , 2x0.34mm ² | | |
| Material | Housing | Nickel plated brass | |
| | Active face | Nylon 12 | |
| Weight | Body 30g + Cable 25g x 1m /+Connector cable 30cm 30g | | |
| Remarks | () : Operating distance when flush-mounted | | |

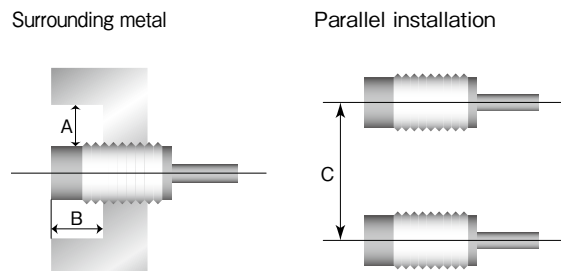
| | | Output sensor | |
|------------------------|--|---------------------|---------------------|
| | | Cable | Pre-wired connector |
| Type | NPN | RXE-1202N-PU-02 | RXE-1202N-PU-CP0.3 |
| Code | PNP | RXE-1202P-PU-02 | RXE-1202P-PU-CP0.3 |
| Operational voltage | 24V DC ± 10% (incl. ripple) | | |
| Current consumption | ≤ 25mA | | |
| No. of output signal | 1 | | |
| Load current | max.100mA | | |
| Frequency of operation | 25Hz | | |
| LED | Signal output indication | | |
| Operating temperature | 0...+50°C | | |
| Protection class | IP67 | | |
| Cable | PUR / Ø5 , 3x0.34mm ² | | |
| Material | Housing | Nickel plated brass | |
| | Active face | Nylon 12 | |
| Weight | Body 40g + Cable 35g x 2m /+Connector cable 30cm 30g | | |
| Remarks | | | |

Applicable sensor

- The applicable sensor for RXT is an exclusive sensor RXD series. (see P.103)
- It is no problem even if the outer diameter of RXD and RXT is different.
- The applicable sensor of RST is a mechanical switch which is the micro-load type without LED.

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.

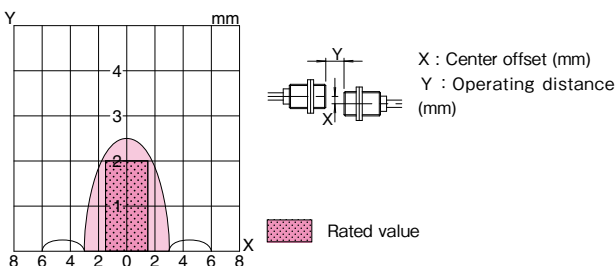


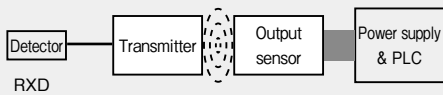
| Type Code | A(mm) | B(mm) | C(mm) |
|-------------------|--------|--------|----------|
| RXT-1202-PU-__ | 12 (6) | 12 (0) | 100 (20) |
| RXE-1202 □ -PU-__ | | | |

() : Flush-mounted in metal

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

RXT-1202-PU-__ / RXE-1202 □ -PU-__





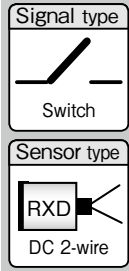
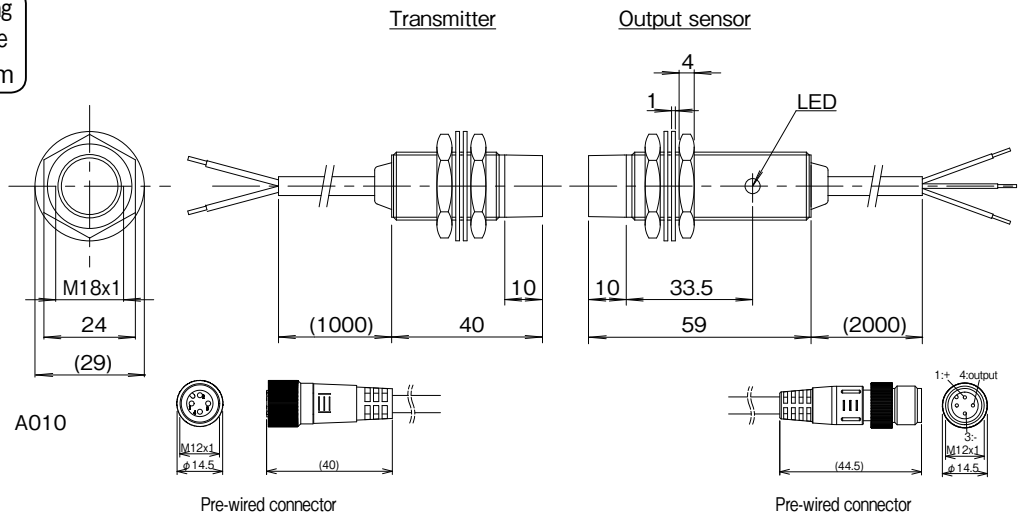
RXT-12
RXE-12

RXT-18
RXE-18

1
signal

for 1 sensor / Size : M18

Operating distance
0...5mm



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

Wiring C012/P.120

| | | Transmitter | |
|-----------------------|---|----------------|---------------------|
| | | Cable | Pre-wired connector |
| Type Code | RXD | RXT-1805-PU-01 | RXT-1805-PU-CP0.3 |
| Drive voltage | --- | | |
| Drive current | --- | | |
| No. of input signal | 1 | | |
| Operating distance | 0...5mm (0...4mm) | | |
| Center offset | ± 2.5mm | | |
| Drive current | --- | | |
| Operating temperature | 0...+50°C | | |
| Protection class | IP67 | | |
| Cable | PUR / Ø5 , 2x0.34mm ² | | |
| Material Housing | Nickel plated brass | | |
| Active face | Nylon 12 | | |
| Weight | Body 40g + Cable 25g x 1m/+Connector cable 30cm 30g | | |
| Remarks | () : Operating distance when flush-mounted | | |

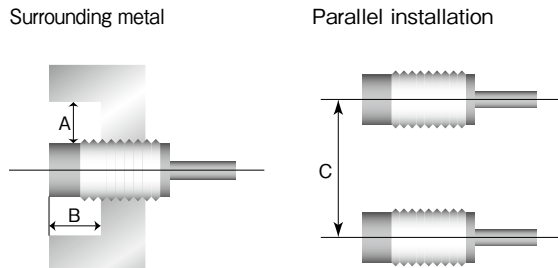
| | | Output sensor | |
|------------------------|------------|---|--|
| | | Cable | Pre-wired connector |
| Type Code | NPN PNP | RXE-1805N-PU-02 RXE-1805P-PU-02 | RXE-1805N-PU-CP0.3 RXE-1805P-PU-CP0.3 |
| Operational voltage | | 24V DC ± 10% (incl. ripple) | |
| Current consumption | | ≤ 25mA | |
| No. of output signal | 1 | | |
| Load current | | max.100mA | |
| Frequency of operation | | 25Hz | |
| LED | | Signal output indication | |
| Operating temperature | | 0...+50°C | |
| Protection class | | IP67 | |
| Cable | | PUR / Ø5 , 3x0.34mm ² | |
| Material Housing | | Nickel plated brass | |
| Active face | | Nylon 12 | |
| Weight | | Body 60g + Cable 35g x 2m/+Connector cable 30cm 30g | |
| Remarks | | | |

Applicable sensor

- The applicable sensor for RXT is an exclusive sensor RXD series. (see P.103)
- It is no problem even if the outer diameter of RXD and RXT is different.

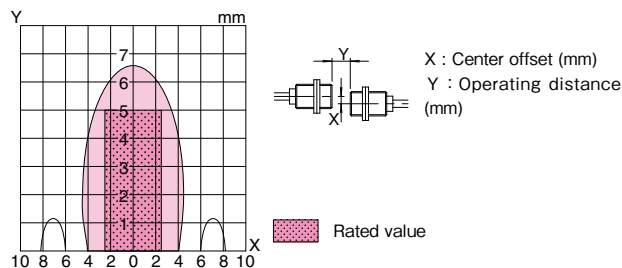
Installation notes

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.



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

RXT-1805-PU-__ / RXE-1805 □ -PU-__

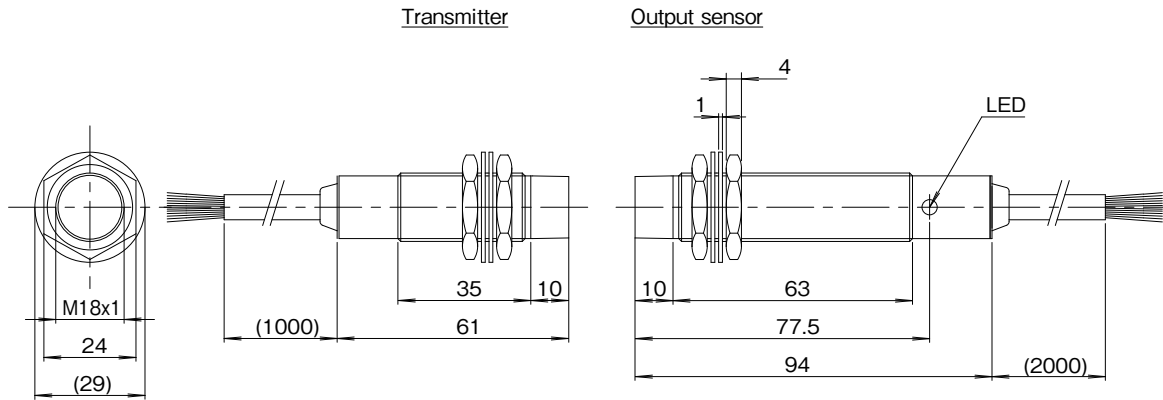


| Type Code | A(mm) | B(mm) | C(mm) |
|-------------------|--------|--------|----------|
| RXT-1805-PU-__ | 18 (9) | 18 (0) | 110 (35) |
| RXE-1805 □ -PU-__ | | | |

() : Flush-mounted in metal

for max. 8 sensors / Size : M18

Operating distance
1...5mm



A014

Wiring C027/P.120

| Transmitter | |
|-----------------------|--|
| Type Code | RXD / Mechanical RXT8-1805-PU-01 |
| Drive voltage | --- |
| Drive current | --- |
| No. of input signal | 8 |
| Operating distance | 1...5mm |
| Center offset | ± 2.5mm |
| Drive current | --- |
| Operating temperature | 0...+50°C |
| Protection class | IP67 |
| Cable | PUR / Ø7.9 , 9x0.18mm ² |
| Material Housing | Nickel plated brass |
| Active face | Nylon 12 |
| Weight | Body 65 g + Cable 75 g x 1 m |
| Remarks | |

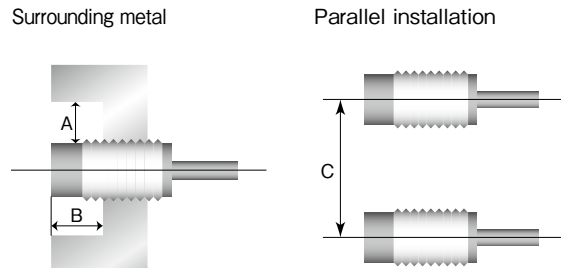
| Output sensor | |
|------------------------|--|
| Type Code | NPN PNP RXE8-1800N-PU-02 RXE8-1800P-PU-02 |
| Operational voltage | 24V DC ± 10% (incl. ripple) |
| Current consumption | ≤ 150mA |
| No. of output signal | 8 + 1 (InZone) |
| Load current | max.50mA per output |
| Frequency of operation | 100Hz |
| LED | InZone |
| Operating temperature | 0...+50°C |
| Protection class | IP67 |
| Cable | PUR / Ø7.7 , 2x0.5mm ² +9x0.18mm ² |
| Material Housing | Nickel plated brass |
| Active face | Nylon 12 |
| Weight | Body 95 g + Cable 75 g x 2 m |
| Remarks | |

Applicable sensor

- The applicable sensor is an exclusive sensor RXD series (see P.103) and a mechanical switch. The standard sensors can not be used.
- It is no problem even if the outer diameter of RXD and Transmitter is different.
- When using a mechanical switch, it should be the micro-load type without LED.

Installation notes

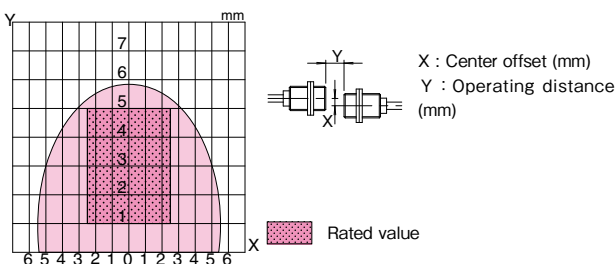
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

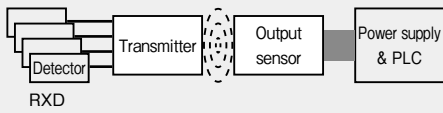


| Type Code | A(mm) | B(mm) | C(mm) |
|--------------------|-------|-------|-------|
| RXT8-1805-PU-__ | 18 | 18 | 110 |
| RXE8-1800 □ -PU-__ | | | |

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

RXT8-1805-PU-__ / RXE8-1800 □ -PU-__





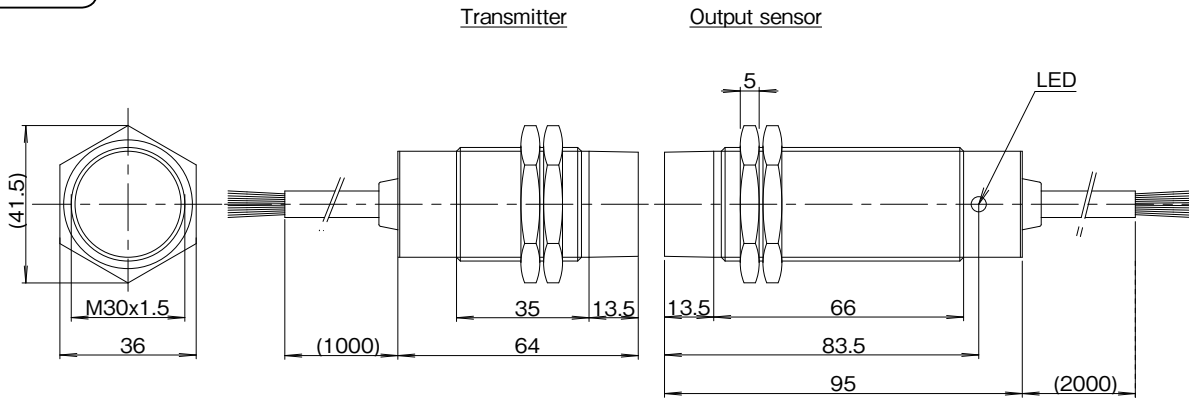
RXT8-18
RXE8-18

RXT8-30
RXE8-30



for max. 8 sensors / Size : M30

Operating distance
1...10mm

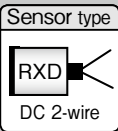
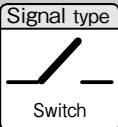


A004

Wiring C027/P.120

| Transmitter | |
|----------------------------|------------------------------------|
| Type RXD / Code Mechanical | RXT8-3010-PU-01 |
| Drive voltage | --- |
| Drive current | --- |
| No. of input signal | 8 |
| Operating distance | 1...10mm |
| Center offset | ± 3mm |
| Drive current | --- |
| Operating temperature | 0...+50°C |
| Protection class | IP67 |
| Cable | PUR / Ø7.9 , 9x0.18mm ² |
| Material Housing | Nickel plated brass |
| Active face | Nylon 12 |
| Weight | Body 110 g + Cable 75 g x 1 m |
| Remarks | |

| Output sensor | |
|------------------------|--|
| Type Code | NPN PNP RXE8-3000N-PU-02 RXE8-3000P-PU-02 |
| Operational voltage | 24V DC ± 10% (incl. ripple) |
| Current consumption | ≤ 150mA |
| No. of output signal | 8 +1 (InZone) |
| Load current | max.50mA per output |
| Frequency of operation | 100Hz |
| LED | InZone |
| Operating temperature | 0...+50°C |
| Protection class | IP67 |
| Cable | PUR / Ø7.7 , 2x0.5mm ² +9x0.18mm ² |
| Material Housing | Nickel plated brass |
| Active face | Nylon 12 |
| Weight | Body 160 g + Cable 75 g x 2 m |
| Remarks | |



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

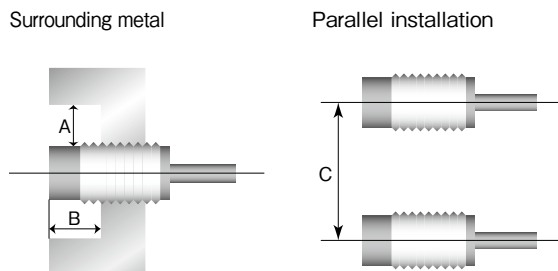
Analog sensor type

Applicable sensor

- The applicable sensor is an exclusive sensor RXD series (see P.103) and a mechanical switch. The standard sensors can not be used.
- It is no problem even if the outer diameter of RXD and Transmitter is different.
- When using a mechanical switch, it should be the micro-load type without LED.

Installation notes

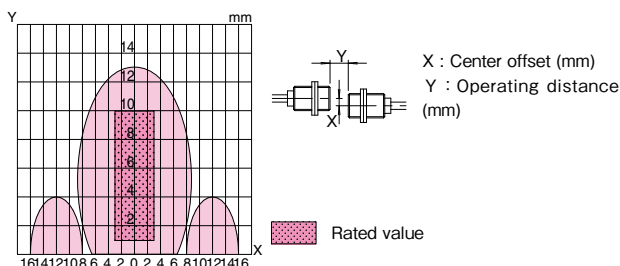
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.



| Type Code | A(mm) | B(mm) | C(mm) |
|--------------------|-------|-------|-------|
| RXT8-3010-PU-__ | 30 | 20 | 200 |
| RXE8-3000 □ -PU-__ | | | |

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

RXT8-3010-PU-__ / RXE8-3000 □ -PU-__



Exclusive sensor

Terminal box other unit

Wiring

Products for maintenance

Special spec.

Alphanumeric product list