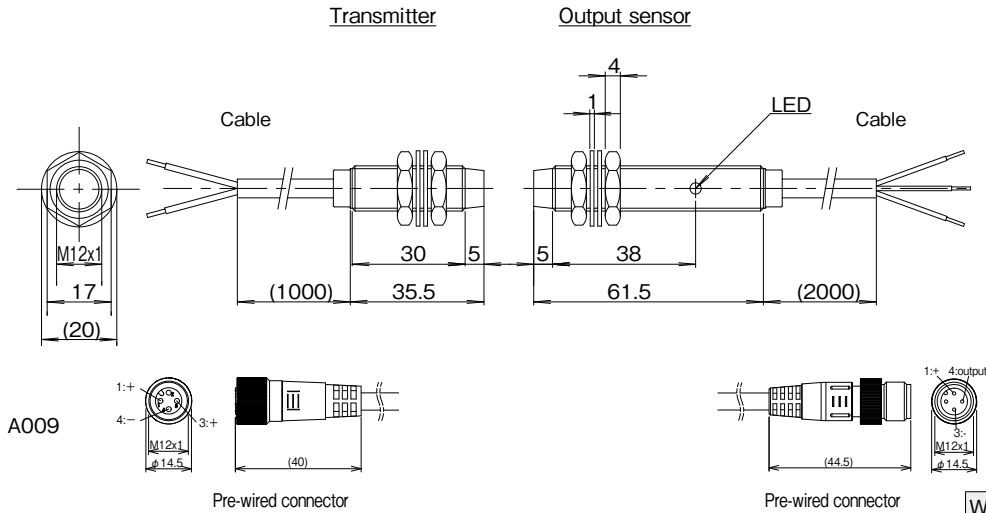


for 1 sensor / Size : M12

Operating distance
0...2mm



Wiring C006/P.116

		Transmitter	
		Cable	Pre-wired connector
Type Code	DC 2-wire	RPT-1202D-PU-01	RPT-1202D-PU-CP0.3
Drive voltage		12V ± 1.5V DC	
Drive current		5mA	
No. of input signal		1	
Operating distance		0...2mm	
Center offset		± 1mm	
Drive current		5mA	
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 30 g + Cable 25 g x 1m /+Connector cable 30cm 30g	
Remarks			

		Output sensor	
		Cable	Pre-wired connector
Type Code	NPN PNP	RPE-1202N-PU-02 RPE-1202P-PU-02	RPE-1202N-PU-CP0.3 RPE-1202P-PU-CP0.3
Operational voltage		24V DC ± 10% (incl. ripple)	
Current consumption		≤ 70mA	
No. of output signal		1	
Load current		max.50mA	
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 40 g + Cable 35 g x 2m /+Connector cable 30cm 30g	
Remarks			

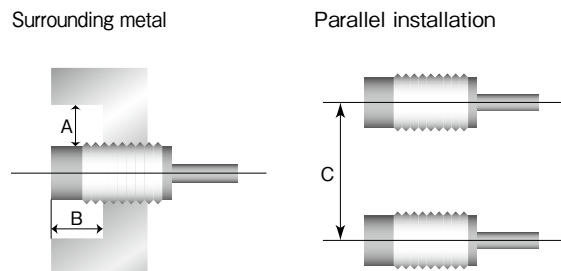
Applicable sensor

Supply voltage	12V DC
Current consumption	---
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

Installation notes

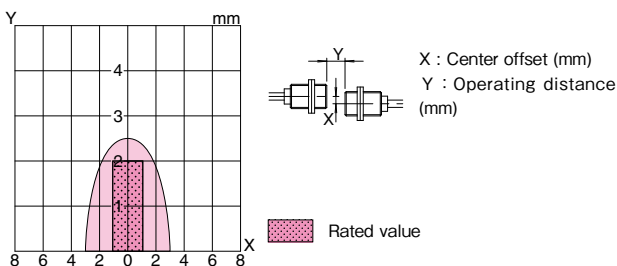
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

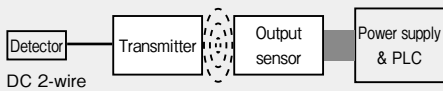


Type Code	A(mm)	B(mm)	C(mm)
RPT-1202D-PU-__	12	12	100
RPE-1202 □ -PU-__			

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

RPT-1202D-PU-__ / RPE-1202 □ -PU-__





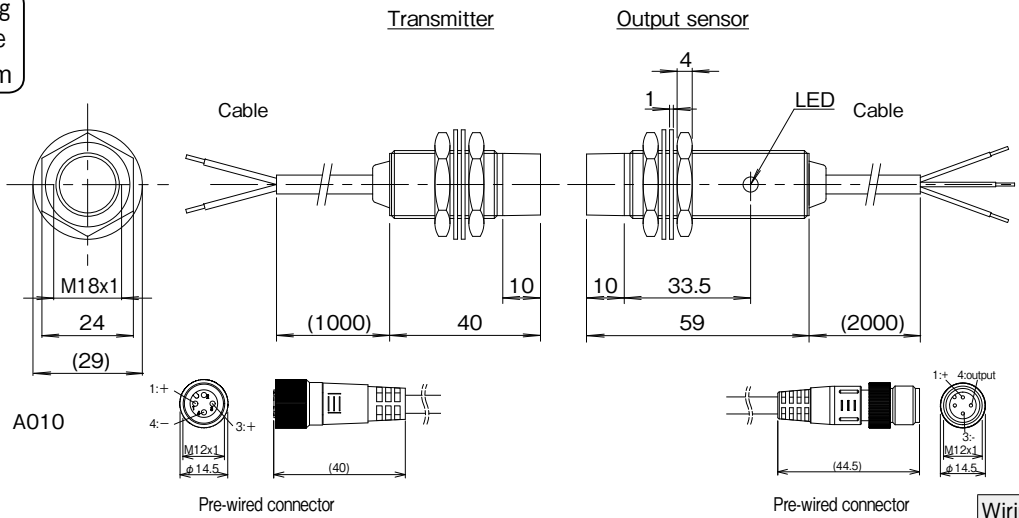
RPT-12
RPE-12

RPT-18
RPE-18

1
signal

for 1 sensor / Size : M18

Operating distance
0...4mm



Wiring C006/P.116

		Transmitter	
		Cable	Pre-wired connector
Type Code	DC 2-wire	RPT-1804D-PU-01	RPT-1804D-PU-CP0.3
Drive voltage	12V ± 1.5V DC		
Drive current	5mA		
No. of input signal	1		
Operating distance	0...4mm		
Center offset	± 3mm		
Drive current	5mA		
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 45g + Cable 35g x 1m /+Connector cable 30cm 30g		
		Cable	Pre-wired connector
Type Code	DC 2-wire	RPT-TF1804D-PU-01	RPT-TF1804D-PU-CP0.3
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin		

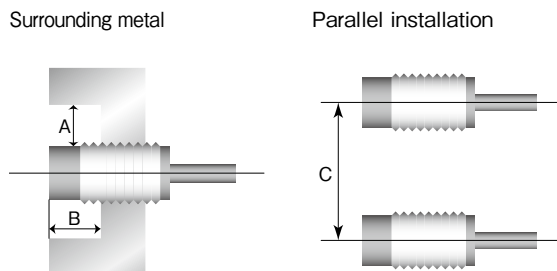
		Output sensor	
		Cable	Pre-wired connector
Type Code	NPN PNP	RPE-1804N-PU-02 RPE-1804P-PU-02	RPE-1804N-PU-CP0.3 RPE-1804P-PU-CP0.3
Operational voltage	24V DC ± 5% (incl. ripple)		
Current consumption	≤ 150mA		
No. of output signal	1		
Load current	max.50mA		
Frequency of operation	25Hz		
LED	Signal output 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		
		Cable	Pre-wired connector
Type Code	NPN PNP	RPE-TF1804N-PU-02 RPE-TF1804P-PU-02	RPE-TF1804N-PU-CP0.3 RPE-TF1804P-PU-CP0.3
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin		

Applicable sensor

Supply voltage	12V DC	Please use a sensor which works definitely in the condition described on left.
Current consumption	---	
Residual voltage	≤ 3.5V	
Load current	≤ 5mA	

Installation notes

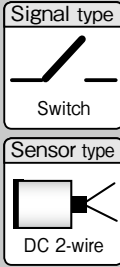
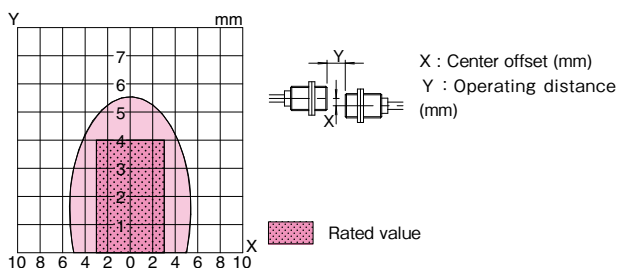
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.



Type Code	A(mm)	B(mm)	C(mm)
RPT-1804D-PU-__	20	15	110
RPE-1804 □ -PU-__			

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

RPT-1804D-PU-__ / RPE-1804 □ -PU-__



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

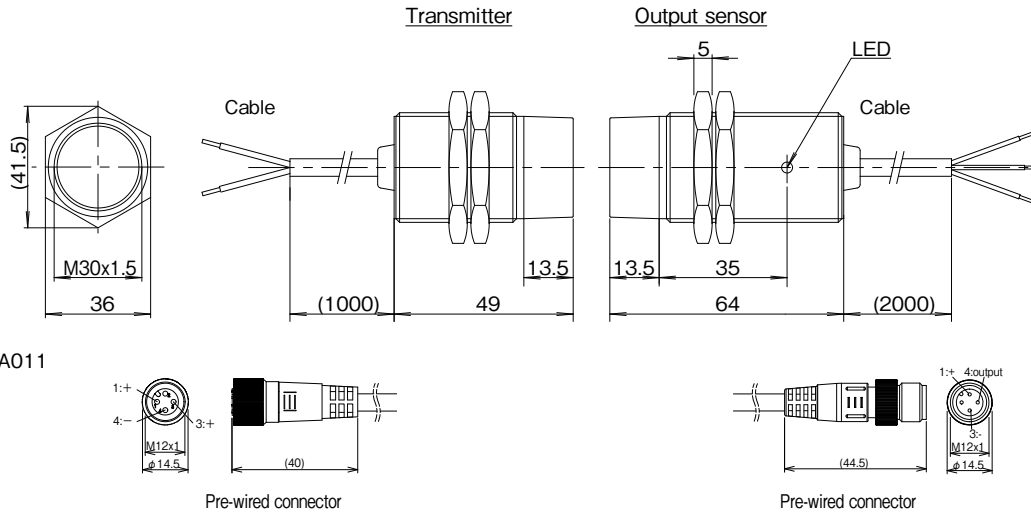
Products for maintenance

Special spec.

Alphanumeric product list

for 1 sensor / Size : M30

Operating distance
1...8mm



Wiring C006/P.116

		Transmitter	
		Cable	Pre-wired connector
Type Code	DC 2-wire	RPT-3008D-PU-01	RPT-3008D-PU-CP0.3
Drive voltage	12V ± 1.5V DC		
Drive current	5mA		
No. of input signal	1		
Operating distance	1...8mm		
Center offset	± 5mm		
Drive current	5mA		
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 110g + Cable 25g x 1m /+Connector cable 30cm 30g		
		Cable	Pre-wired connector
Type Code	DC 2-wire	RPT-TF3008D-PU-01	RPT-TF3008D-PU-CP0.3
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin		

		Output sensor	
		Cable	Pre-wired connector
Type Code	NPN	RPE-3008N-PU-02	RPE-3008N-PU-CP0.3
	PNP	RPE-3008P-PU-02	RPE-3008P-PU-CP0.3
Operational voltage	24V DC ± 5% (incl. ripple)		
Current consumption	≤ 150mA		
No. of output signal	1		
Load current	max.50mA		
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 130g + Cable 35g x 2m /+Connector cable 30cm 30g		
		Cable	Pre-wired connector
Type Code	NPN	RPE-TF3008N-PU-02	RPE-TF3008N-PU-CP0.3
	PNP	RPE-TF3008P-PU-02	RPE-TF3008P-PU-CP0.3
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin		

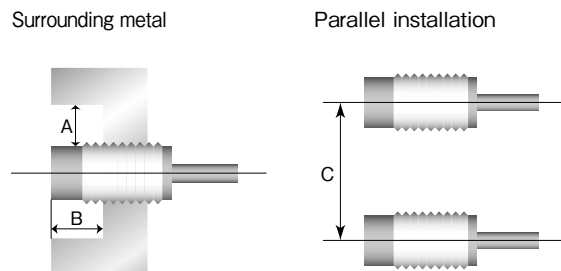
Applicable sensor

Supply voltage	12V DC
Current consumption	---
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

Installation notes

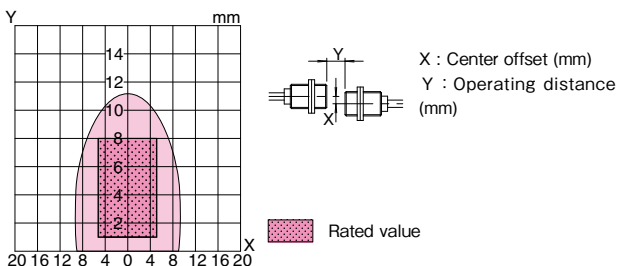
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

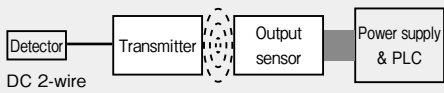


Type Code	A(mm)	B(mm)	C(mm)
RPT-3008D-PU-__	30	20	300
RPE-3008 □ -PU-__			

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

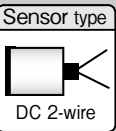
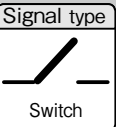
RPT-3008D-PU-__ / RPE-3008 □ -PU-__





RPT-30
RPE-30

1
signal



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

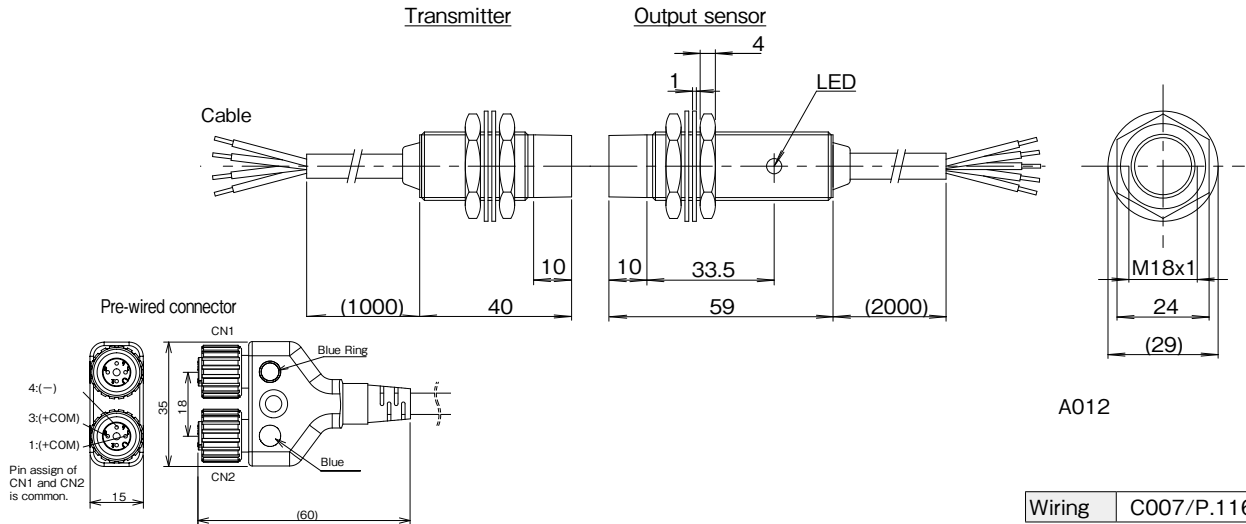
Products for maintenance

Special spec.

Alphanumeric product list

for max. 2 sensors / Size : M18

Operating distance
0.5...4mm



A012

Wiring C007/P.116

		Transmitter	
		Cable	Pre-wired connector
Type Code	DC 2-wire	RPT2-1804D-PU-01	RPT2-1804D-CP0.3
Drive voltage		12V ± 1.5V DC	
Drive current		5mA per sensor	
No. of input signal		2	
Operating distance		0.5...4mm	
Center offset		± 2.5mm	
Drive current		5mA	
Operating temperature		0...+50°C	
Protection class		IP67	
Cable		PUR / Ø6, 4x0.5mm ²	PVC / Ø6
Material	Housing	Nickel plated brass	
	Active face	Nylon 12	
Weight		Body 50g + Cable 50g x 1m /+Connector cable 30cm 80g	
Anti-weld slag		Cable	Pre-wired connector
Type Code	DC2-wire	RPT2-TF1804D-PU-01	RPT2-TF1804D-CP0.3
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin	

		Output sensor	
		Type	Code
	NPN	RPE2-1804N-PU-02	
	PNP	RPE2-1804P-PU-02	
Operational voltage		24V DC ± 10% (incl. ripple)	
Current consumption		≤ 150mA	
No. of output signal		2 +1 (InZone)	
Load current		max.50mA per output	
Frequency of operation		25Hz	
LED		InZone	
Operating temperature		0...+50°C	
Protection class		IP67	
Cable		PUR / Ø6.4, 5x0.5mm ²	
Material	Housing	Nickel plated brass	
	Active face	Nylon 12	
Weight		Body 60 g + Cable 60 g x 2 m	
Anti-weld slag	NPN	RPE2-TF1804N-PU-02	
Type Code	PNP	RPE2-TF1804P-PU-02	
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin	

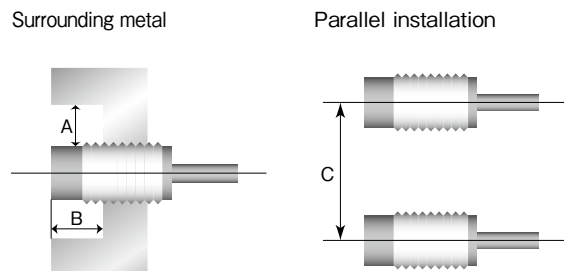
Applicable sensor

Supply voltage	12V DC
Current consumption	---
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

Installation notes

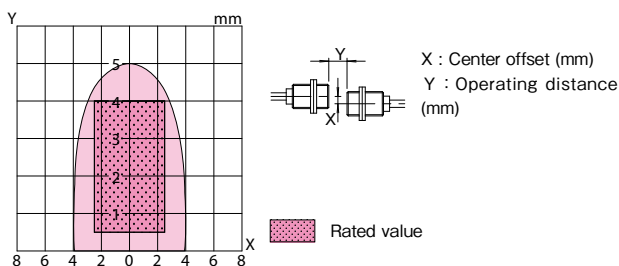
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

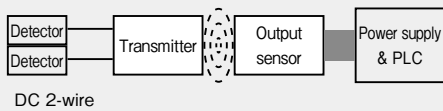


Type Code	A(mm)	B(mm)	C(mm)
RPT2-1804D-PU-__	20	15	110
RPE2-1804 □ -PU-__			

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

RPT2-1804D-PU-__ / RPE2-1804 □ -PU-__



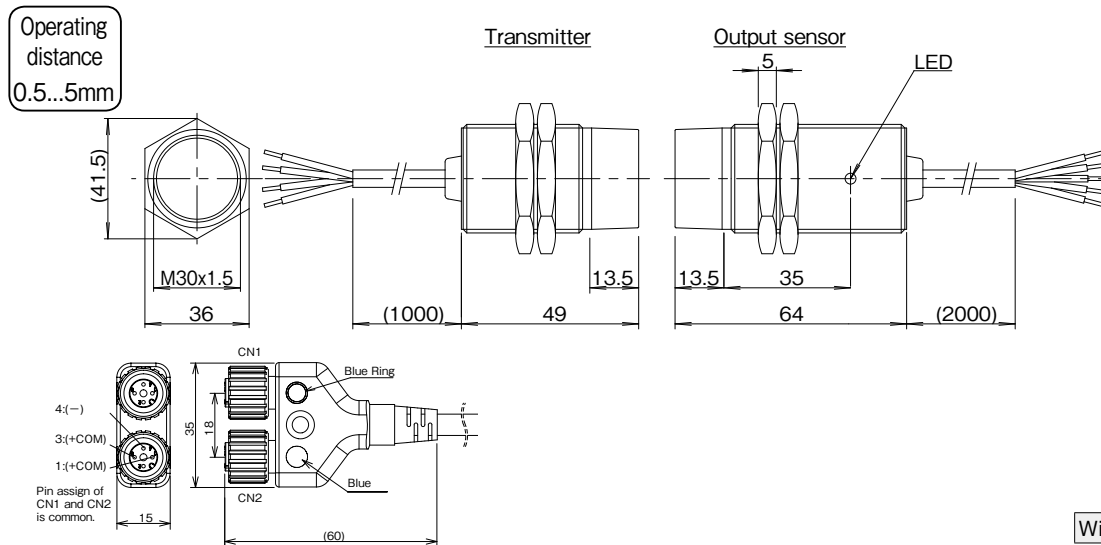


RPT2-18
RPE2-18

RPT2-30
RPE2-30

2
signal

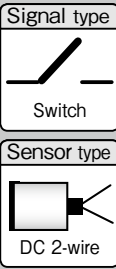
for max. 2 sensors / Size : M30



Wiring C007/P.116

Transmitter		
Type Code	Cable	Pre-wired connector
DC 2-wire	RPT2-3005D-PU-01	RPT2-3005D-CP0.3
Drive voltage	12V ± 1.5V DC	
Drive current	5mA per sensor	
No. of input signal	2	
Operating distance	0.5...5mm	
Center offset	± 5mm	
Drive current	5mA	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / Ø6 , 4x0.5mm ² PVC / Ø6	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 110g + Cable 50g x 1m /+Connector cable 30cm 80g	
Anti-weld slag		
Type Code	Cable	Pre-wired connector
DC2-wire	RPT2-TF3005D-PU-01	RPT2-TF3005D-CP0.3
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin	

Output sensor		
Type Code	NPN	RPE2-3005N-PU-02
Type Code	PNP	RPE2-3005P-PU-02
Operational voltage	24V DC ± 10% (incl. ripple)	
Current consumption	≤ 150mA	
No. of output signal	2 +1 (InZone)	
Load current	max.50mA per output	
Frequency of operation	25Hz	
LED	InZone	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / Ø6.4 , 5x0.5mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 130 g + Cable 60 g x 2 m	
Anti-weld slag		
Type Code	NPN	RPE2-TF3005N-PU-02
Type Code	PNP	RPE2-TF3005P-PU-02
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin	



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.

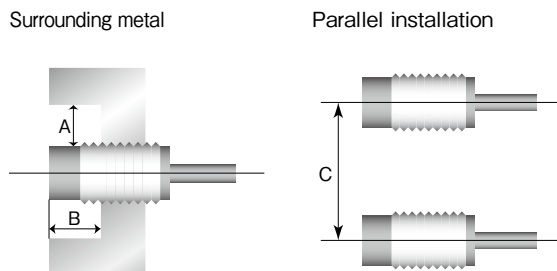
Alphanumeric
product list

Applicable sensor

Supply voltage	12V DC	Please use a sensor which works definitely in the condition described on left.
Current consumption	---	
Residual voltage	≤ 3.5V	
Load current	≤ 5mA	

Installation notes

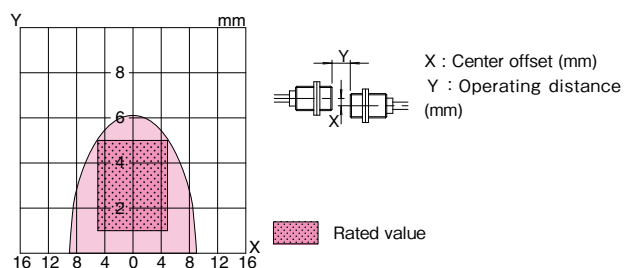
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.



Type Code	A(mm)	B(mm)	C(mm)
RPT2-3005D-PU-__	30	20	300
RPE2-3005 □ -PU-__			

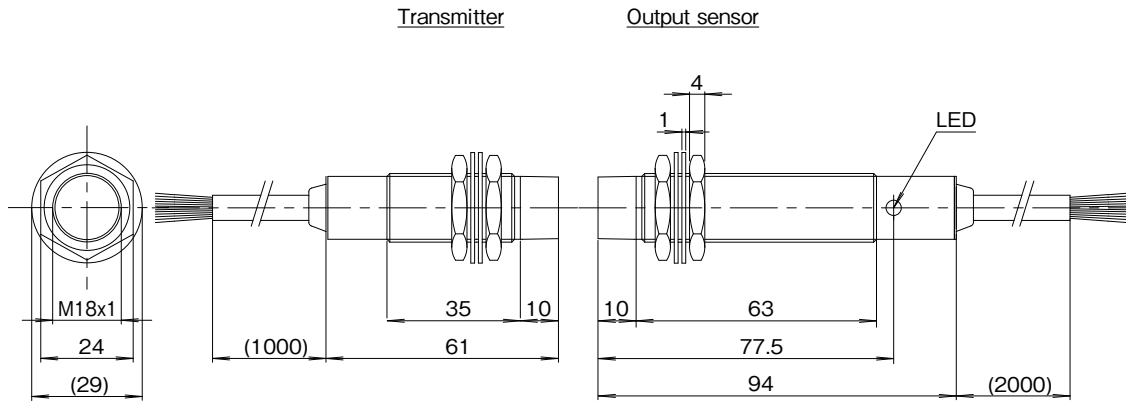
Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount)

RPT2-3005D-PU-__ / RPE2-3005 □ -PU-__



for max. 4 sensors / Size : M18

Operating distance
0.5...3mm



A003

Wiring C008/P.116

Transmitter	
Type Code	DC 2-wire RPT4-1803D-PU-01
Drive voltage	12V ± 1.5V DC
Drive current	5mA per sensor
No. of input signal	4
Operating distance	0.5...3mm
Center offset	± 2mm
Drive current	5mA
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / Ø6.3, 7x0.3mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 60 g + Cable 60 g x 1 m
Anti-weld slag Type Code	DC 2-wire RPT4-TF1803D-PU-01
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Output sensor	
Type Code	NPN RPE4-1803N-PU-02 PNP RPE4-1803P-PU-02
Operational voltage	24V DC ± 5% (incl. ripple)
Current consumption	≤ 170mA
No. of output signal	4 +1 (InZone)
Load current	max.50mA per output
Frequency of operation	30Hz
LED	InZone
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / Ø6.3, 7x0.3mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 80 g + Cable 60 g x 2 m
Anti-weld slag Type Code	NPN RPE4-TF1803N-PU-02 PNP RPE4-TF1803P-PU-02
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

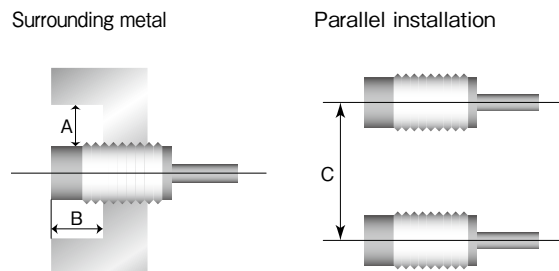
Applicable sensor

Supply voltage	12V DC
Current consumption	---
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

Installation notes

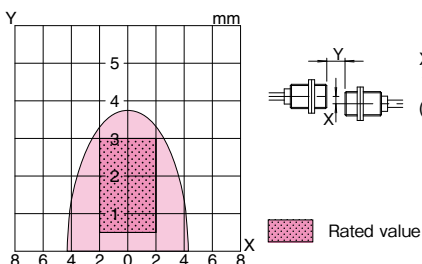
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

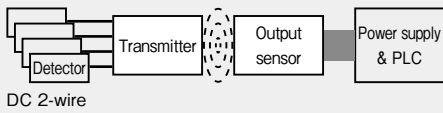


Type Code	A(mm)	B(mm)	C(mm)
RPT4-1803D-PU-__	18	18	110
RPE4-1803 □ -PU-__			

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

RPT4-1803D-PU-__ / RPE4-1803 □ -PU-__





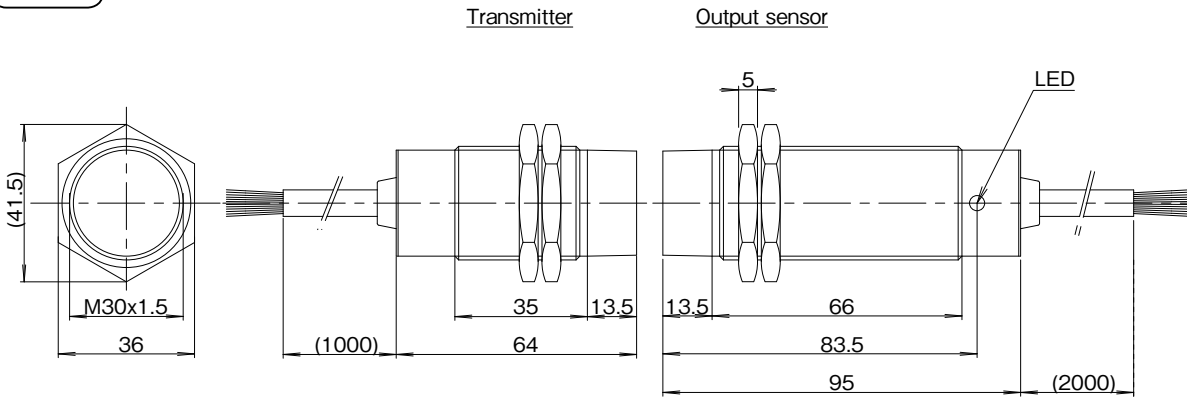
RPT4-18
RPE4-18

RPT4-30
RPE4-30

4
signal

for max. 4 sensors / Size : M30

Operating distance
1...5mm

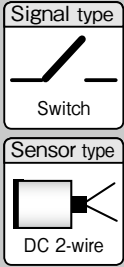


A004

Wiring C008/P.116

Transmitter	
Type Code	DC 2-wire RPT4-3005D-PU-01
Drive voltage	12V ± 1.5V DC
Drive current	5mA per sensor
No. of input signal	4
Operating distance	1...5mm
Center offset	± 6mm
Drive current	5mA
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / Ø6.3, 7x0.3mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 130 g + Cable 60 g x 1 m
Anti-weld slag Type Code	DC 2-wire RPT4-TF3005D-PU-01
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Output sensor	
Type Code	NPN RPE4-3005N-PU-02 PNP RPE4-3005P-PU-02
Operational voltage	24V DC ± 5% (incl. ripple)
Current consumption	≤ 150mA
No. of output signal	4 +1 (InZone)
Load current	max.50mA per output
Frequency of operation	30Hz
LED	InZone
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / Ø6.3, 7x0.3mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 160 g + Cable 60 g x 2 m
Anti-weld slag Type Code	NPN RPE4-TF3005N-PU-02 PNP RPE4-TF3005P-PU-02
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin



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

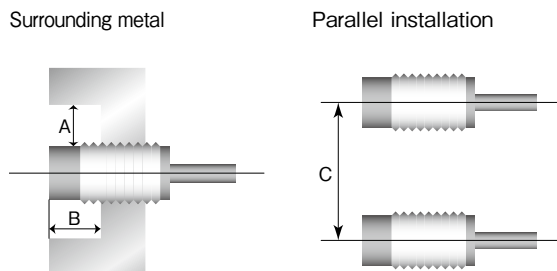
Applicable sensor

Supply voltage	12V DC
Current consumption	---
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

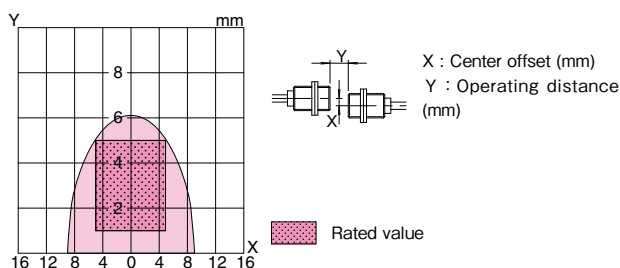
Installation notes

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)

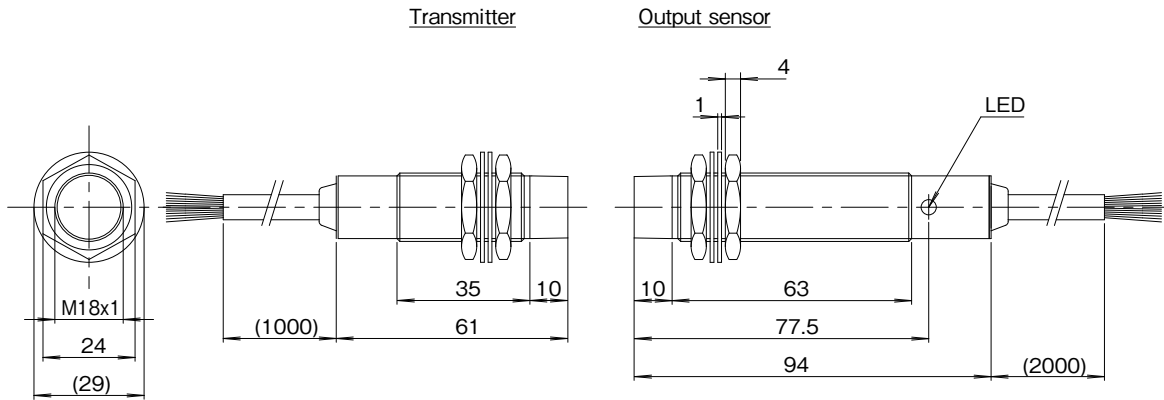
RPT4-3005D-PU-__ / RPE4-3005 □ -PU-__



Type Code	A(mm)	B(mm)	C(mm)
RPT4-3005D-PU-__	40	32	300
RPE4-3005 □ -PU-__			

for max. 8 sensors / Size : M18

Operating distance
0.5...3mm



A014

Wiring C009/P.117

Transmitter	
Type Code	DC 2-wire RPT8-1803D-PU-01
Drive voltage	12V ± 1.5V DC
Drive current	5mA per sensor
No. of input signal	8
Operating distance	0.5...3mm
Center offset	± 2.5mm
Drive current	5mA
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 60 g + Cable 75 g x 1 m
Anti-weld slag Type Code	DC 2-wire RPT8-TF1803D-PU-01
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Output sensor	
Type Code	NPN RPE8-1800N-PU-02 PNP RPE8-1800P-PU-02
Operational voltage	24V DC ± 10% (incl. ripple)
Current consumption	≤ 400mA
No. of output signal	8 + 1 (InZone)
Load current	max.50mA per output
Frequency of operation	60Hz
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 90 g + Cable 75 g x 2 m
Anti-weld slag Type Code	NPN RPE8-TF1800N-PU-02 PNP RPE8-TF1800P-PU-02
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

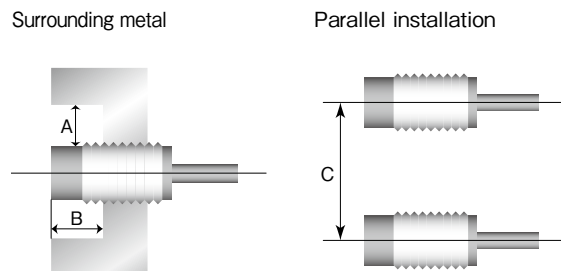
Applicable sensor

Supply voltage	12V DC
Current consumption	---
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

Installation notes

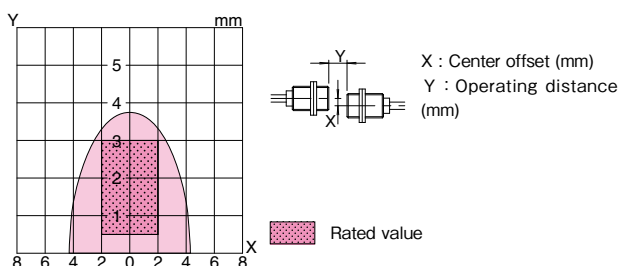
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

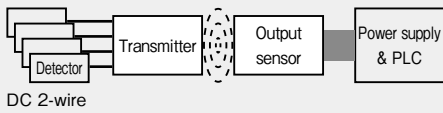


Type Code	A(mm)	B(mm)	C(mm)
RPT8-1803D-PU-__	18	18	110
RPE8-1800 □ -PU-__			

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

RPT8-1803D-PU-__ / RPE8-1800 □ -PU-__





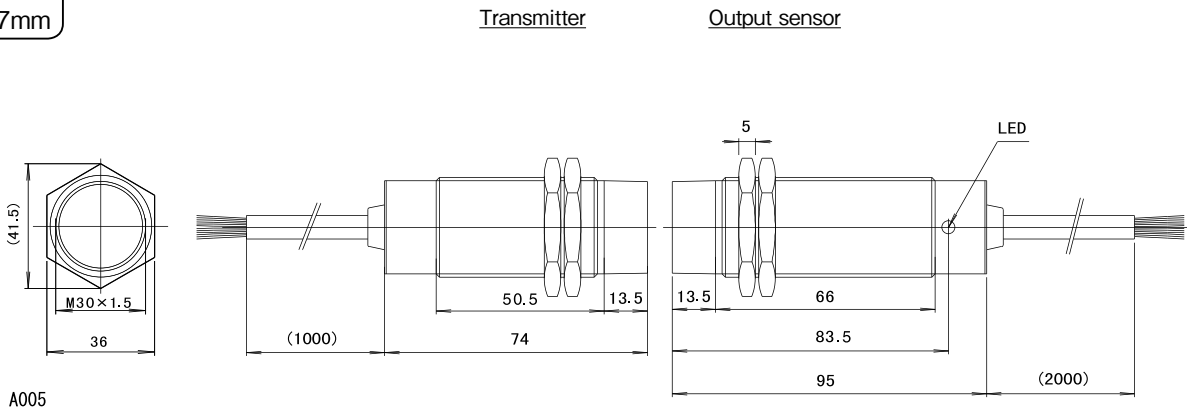
RPT8-18
RPE8-18

RPT8-30
RPE8-30



for max. 8 sensors / Size : M30

Operating distance
2...7mm



A005

RPT8-3007D is — common.
The + common type is also available, please contact ud.

Wiring C010/P.117

Transmitter	
Type Code	DC 2-wire RPT8-3007D-PU-01
Drive voltage	22V +4 -2V DC
Drive current	5mA per sensor
No. of input signal	8
Operating distance	2...7mm
Center offset	± 3mm
Drive current	5mA
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 150 g + Cable 75 g x 1 m
Anti-weld slag Type Code	DC 2-wire RPT8-TF3007D-PU-01
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Output sensor	
Type Code	NPN RPE8-3000N-PU-02 PNP RPE8-3000P-PU-02
Operational voltage	24V DC ± 10% (incl. ripple)
Current consumption	≤ 400mA
No. of output signal	8 +1 (InZone)
Load current	max.50mA per output
Frequency of operation	60Hz
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 190 g + Cable 75 g x 2 m
Anti-weld slag Type Code	NPN RPE8-TF3000N-PU-02 PNP RPE8-TF3000P-PU-02
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

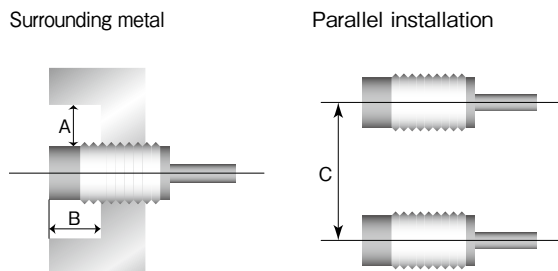
Applicable sensor

Supply voltage	22V DC
Current consumption	---
Residual voltage	≤ 6V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

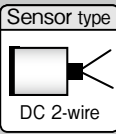
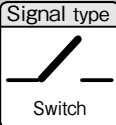
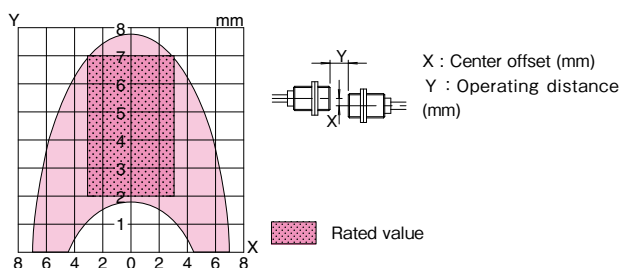
Installation notes

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)

RPT8-3007D-PU-__ / RPE8-3000 □ -PU-__



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

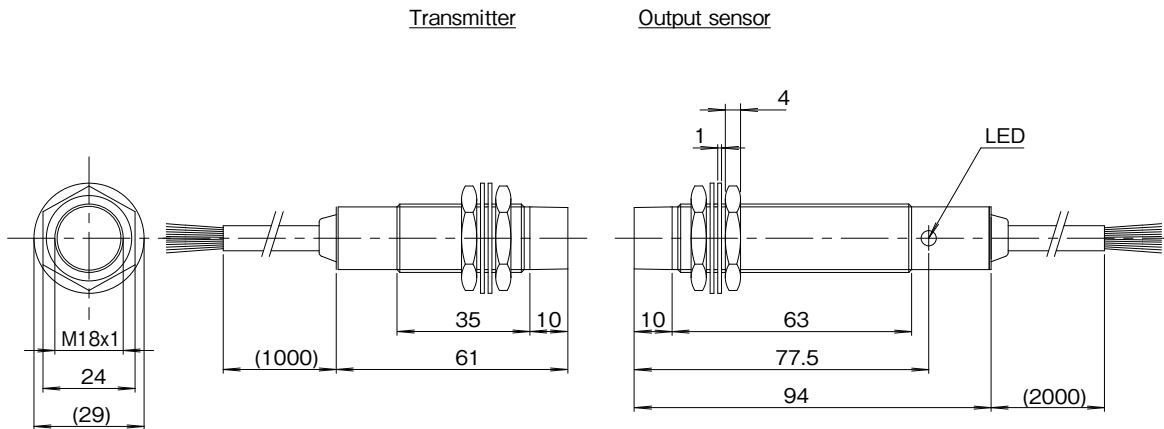
Special spec.

Alphanumeric product list

Type Code	A(mm)	B(mm)	C(mm)
RPT8-3007D-PU-__	30	20	200
RPE8-3000 □ -PU-__			

for max. 8 sensors / Size : M18

Operating distance
0.5...3mm



A014

Wiring C009/P.117

Transmitter	
Type Code	DC 2-wire RS08TA-018D-PU-01
Drive voltage	12V ± 1.5V DC
Drive current	5mA per sensor
No. of input signal	8
Operating distance	0.5...3mm
Center offset	± 2.5mm
Drive current	5mA
Operating temperature	0...+80°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

Output sensor	
Type Code	NPN RS08EA-018N-PU-02 PNP RS08EA-018P-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	60Hz
LED	InZone
Operating temperature	0...+80°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

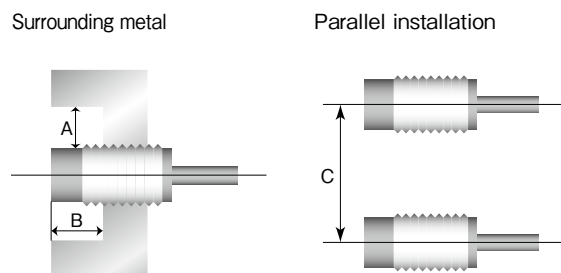
Applicable sensor

Supply voltage	12V DC
Current consumption	---
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

Installation notes

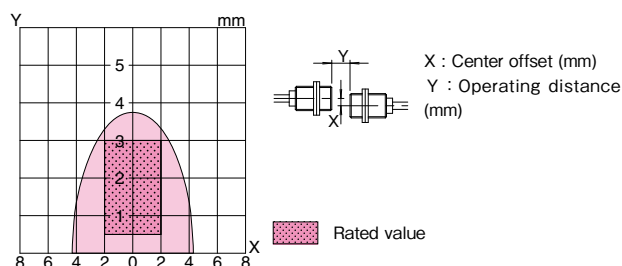
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

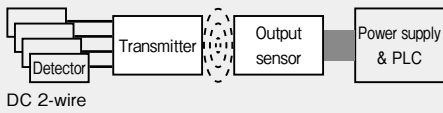


Type Code	A(mm)	B(mm)	C(mm)
RS08TA-018D-PU-__	18	18	110
RS08EA-018□-PU-__			

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

RS08TA-018D-PU-__ / RS08EA-018□-PU-__





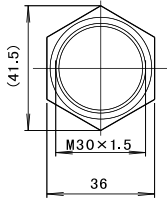
RS08TA-18
RS08EA-18

RS08TA-30
RS08EA-30

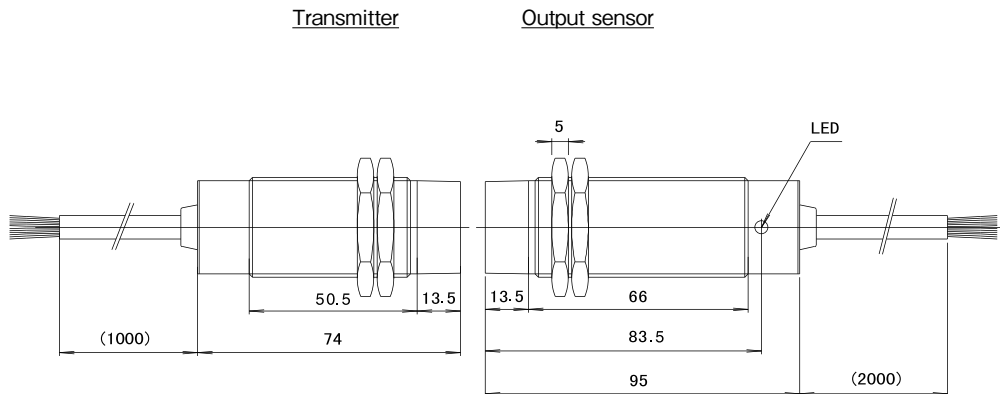


for max. 8 sensors / Size : M30

Operating distance
2...7mm



A005



Signal type
Switch

Sensor type
DC 2-wire

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 C010/P.117

Transmitter	
Type Code	DC 2-wire RS08TA-030D-PU-01
Drive voltage	12V ± 1.5V DC
Drive current	5mA per sensor
No. of input signal	8
Operating distance	2...7mm
Center offset	± 3mm
Drive current	5mA
Operating temperature	0...+80°C
Protection class	IP67
Cable	PUR / Ø7.9 , 9x0.18mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 150 g + Cable 75 g x 1 m

Output sensor	
Type Code	NPN RS08EA-030N-PU-02 PNP RS08EA-030P-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	60Hz
LED	InZone
Operating temperature	0...+80°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

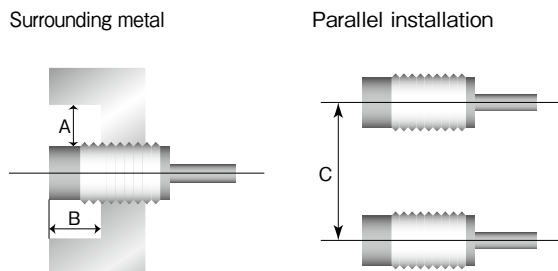
Applicable sensor

Supply voltage	12V DC
Current consumption	---
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

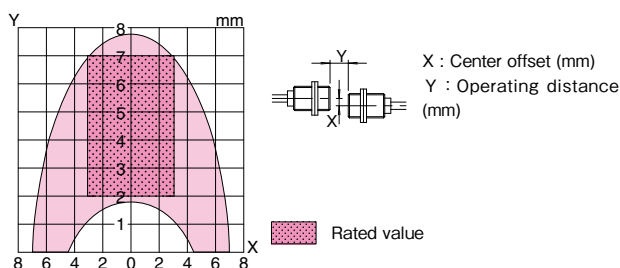
Installation notes

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)

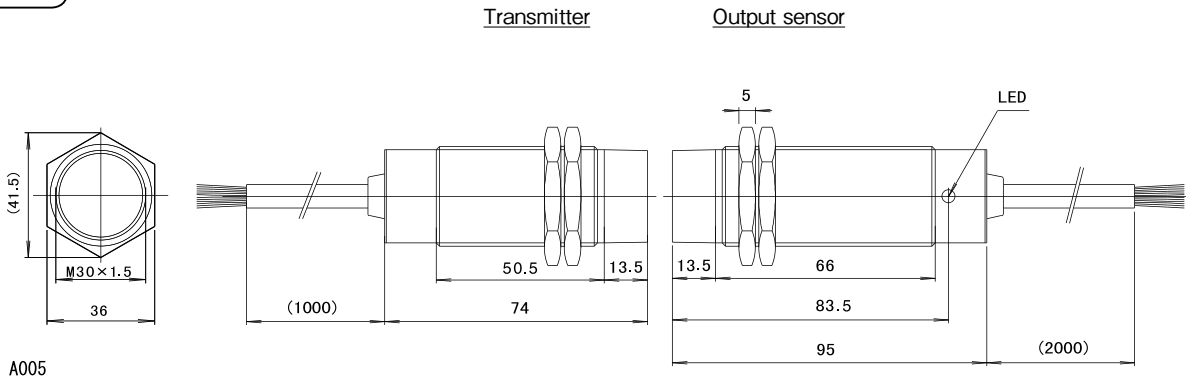
RS08TA-030D-PU-__ / RS08EA-030 □ -PU-__



Type Code	A(mm)	B(mm)	C(mm)
RS08TA-030D-PU-__	30	20	200
RS08EA-030 □ -PU-__			

for max. 15 sensors / Size : M30

Operating distance
1...5mm



A005

Wiring C011/P.118

Transmitter	
Type Code	DC 2-wire RPT15-3005D-PU-01
Drive voltage	12V ± 1.5V DC
Drive current	5mA per sensor
No. of input signal	15
Operating distance	1...5mm
Center offset	± 2.5mm
Drive current	5mA
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / Ø8.6 , 2x0.5mm ² +16x0.18mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 170 g + Cable 105 g x 1 m
Anti-weld slag Type Code	DC 2-wire RPT15-TF3005D-PU-01
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Output sensor	
Typ Code	NPN RPE15-3000N-PU-02 PNP RPE15-3000P-PU-02
Operational voltage	24V DC +10 -20% (incl. ripple)
Current consumption	≤ 500mA
No. of output signal	15 +1 (InZone)
Load current	max.50mA per output
Frequency of operation	20Hz
LED	InZone
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / Ø8.6 , 2x0.5mm ² +16x0.18mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 200 g + Cable 105 g x 2 m
Anti-weld slag Type Code	NPN RPE15-TF3000N-PU-02 PNP RPE15-TF3000P-PU-02
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

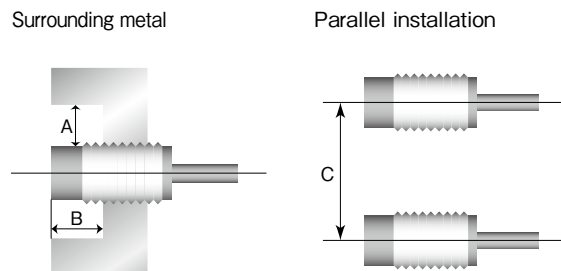
Applicable sensor

Supply voltage	12V DC
Current consumption	---
Residual voltage	≤ 3.5V
Load current	≤ 5mA

Please use a sensor which works definitely in the condition described on left.

Installation notes

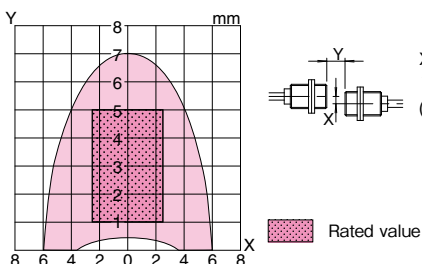
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.



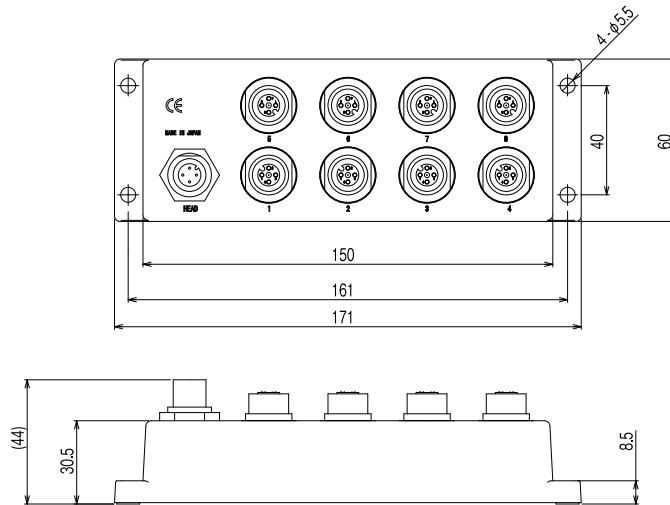
Type Code	A(mm)	B(mm)	C(mm)
RPT15-3005D-PU-__	30	20	200
RPE15-3000 □ -PU-__			

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

RPT15-3005D-PU-__ / RPE15-3000 □ -PU-__



for max. 8 sensors Terminal unit type / Remote Terminal



This dimensional drawing shows connector type 1.

A069

Wiring C025/P.119

		Transmitter / Remote terminal
Type	Connector type 1	RS8TA-222D-S04
Code	Connector type 2	RS8T-222D-S04
Applicable sensor	DC 2-wire type (M12 connector 4-pin : polarized/1:+,4:-, non-polarized/3:+,4:-)	
Drive voltage	22V DC \pm 10%	
Drive current	5mA per sensor	
Operating temperature	0...+50°C	
Protection class	IP67	
Connection Sensor	Connector M12 (Female) x 8	
Transmitting head	Connector M12 (Male) x 1	
Material Housing	PPS	
Weight	600 g	
Remarks	The unused connectors should be protected by a protection cap. (option:Type Code XS2Z-12)	

Applicable sensor

Supply voltage	22V DC
Current consumption	---
Residual voltage	\leq 6V
Load current	\leq 5mA

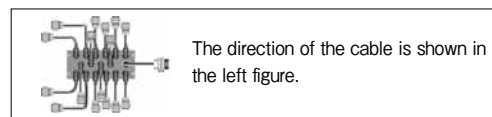
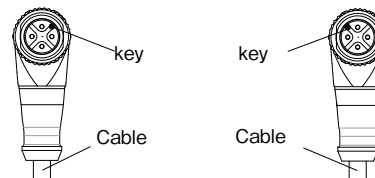
Please use a sensor which works definitely in the condition described on left.

Pin assigned of connector for sensors		<p>1 : + 2 : - 3 : + 4 : -</p>
---------------------------------------	--	--

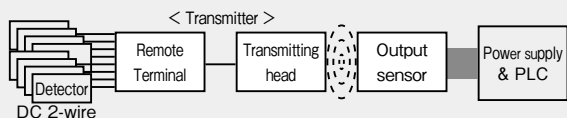
Applicable angle connector type (Detector's connector)

When using an angle connector, please use a connector of which key is positioned same as the following figure.

- 1 : Applicable to RS8TA-222 2 : Applicable to RS8T-222



The straight connector can be used to both type of Remote Terminal.



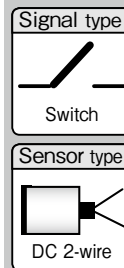
RS8TA-222
RS8T-222

RSH8T-30
RSH8E-30

8
signal

for max. 8 sensors Terminal unit type / Size : M30

Operating distance
2...8mm



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

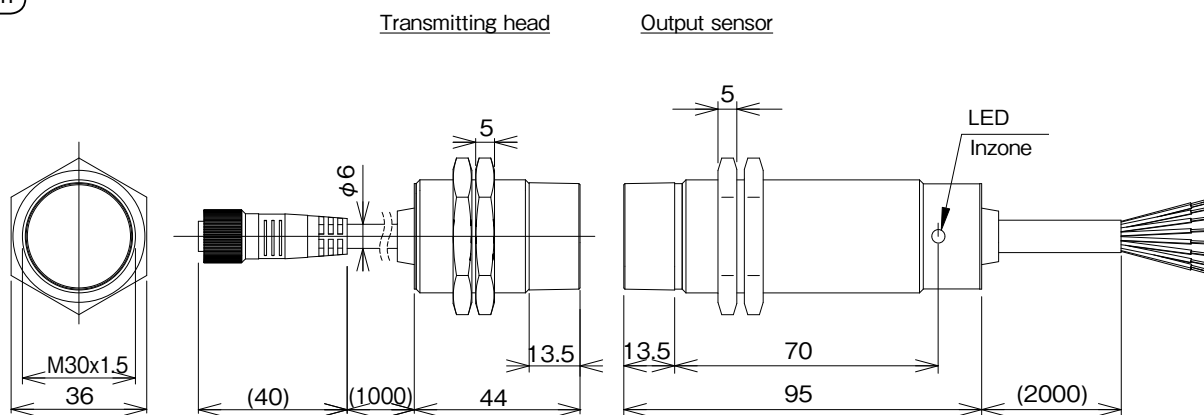
Terminal box other unit

Wiring

Products for maintenance

Special spec.

Alphanumeric product list



A057

Wiring C025/P.119

Transmitter / Transmitting head	
Type Code	connect to Remote Terminal RSH8T-030-PU-CP1.0
Drive voltage	22V ± 1.5V DC
Drive current	120mA
Remote terminal	RS8TA-222_-S04、RS8T-222_-S04
Operating distance	2...8mm
Center offset	± 3mm
Operating temperature	0...+50°C
Protection class	IP67
Cable	M12 connector cable (1m, 3m, 5m) connect to Remote Terminal
Material Housing	Nickel plated brass
Material Active face	Nylon 12
Weight	Body 120 g + Cable 50 g x 1 m
Anti-weld slag Type	connect to Remote Terminal RSH8T-TF030-PU-CP1.0
Code	Material Housing:Fluorinated resin coated/Active face:Fluorinated resin

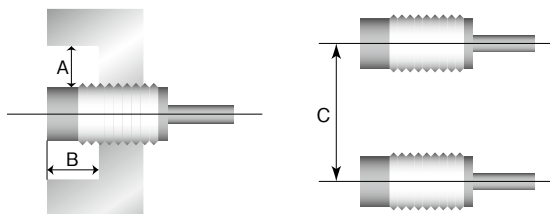
Output sensor	
Type Code	NPN RSH8E-030N-PU-02 PNP RSH8E-030P-PU-02
Operational voltage	24V DC ± 10% (incl. ripple)
Current consumption	≤ 500mA
No. of output signal	8 +1 (InZone)
Load current	max.50mA per output
Frequency of operation	20Hz
LED	InZone
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR/ Ø7.7、2x0.5mm ² +9x0.18mm ²
Material Housing	Nickel plated brass
Material Active face	Nylon 12
Weight	Body 160 g + Cable 75 g x 2 m
Anti-weld slag Type	NPN RSH8E-TF030N-PU-02 PNP RSH8E-TF030P-PU-02
Code	Material Housing:Fluorinated resin coated/Active face:Fluorinated resin

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

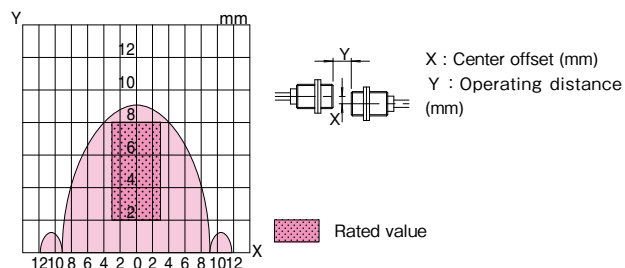
Parallel installation



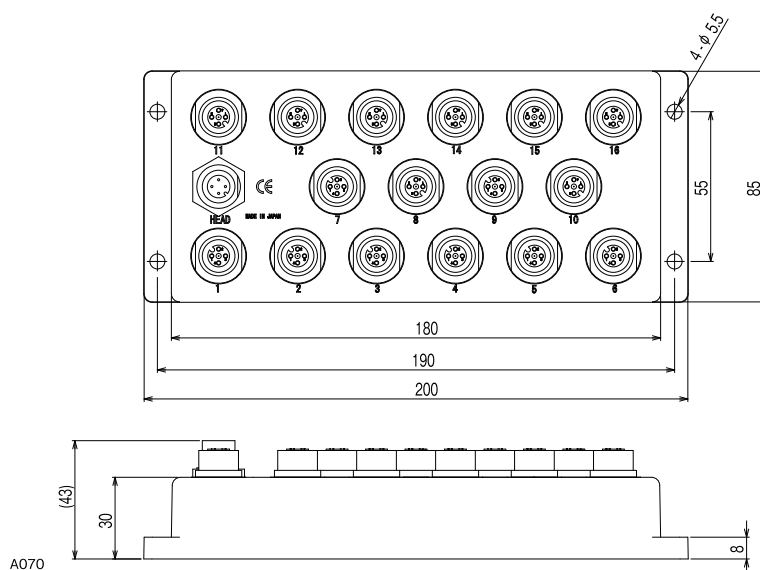
Type Code	A(mm)	B(mm)	C(mm)
RSH8T-030-PU-CP-__	30	30	160
RSH8E-030 □ -PU-__			

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

RSH8T-030-PU-CP-__ / RSH8E-030 □ -PU-__



for max. 16 sensors Terminal unit type / Remote Terminal



This dimensional drawing shows connector type 1.

Wiring C026/P.119

Transmitter / Remote terminal	
Type Connector type 1	RS16TA-211D-S04
Code Connector type 2	RS16T-211D-S04
Applicable sensor	DC 2-wire type (M12 connector 4-pin : polarized/1:+,4:-, non-polarized/3:+,4:-)
Drive voltage	22V DC \pm 10%
Drive current	5mA per sensor
Operating temperature	0...+50°C
Protection class	IP67
Connection Sensor	Connector M12 (Female) x 8
Transmitting head	Connector M12 (Male) x 1
Material Housing	PPS
Weight	1000 g
Remarks	The unused connectors should be protected by a protection cap. (option:Type Code XS2Z-12)

Applicable sensor

Supply voltage	22V DC
Current consumption	---
Residual voltage	\leq 6V
Load current	\leq 5mA

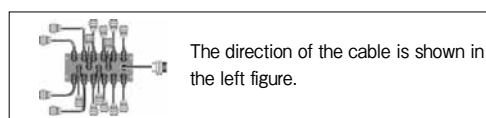
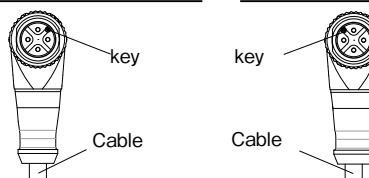
Please use a sensor which works definitely in the condition described on left.

Pin assigned of connector for sensors		<p>1 : + 2 : - 3 : + 4 : -</p>
---------------------------------------	--	--

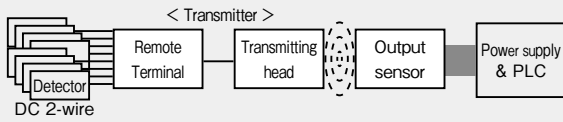
Applicable angle connector type (Detector's connector)

When using an angle connector, please use a connector of which key is positioned same as the following figure.

1 : Applicable to RS16TA-211_ 2 : Applicable to RS16T-211_



The straight connector can be used to both type of Remote Terminal.



RS16TA-211
RS16T-211

RSH16T-30
RSH16E-30

16
signal

for max. 16 sensors Terminal unit type / Size : M30

Operating distance
2...8mm

Signal type
Switch

Sensor type
DC 2-wire

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

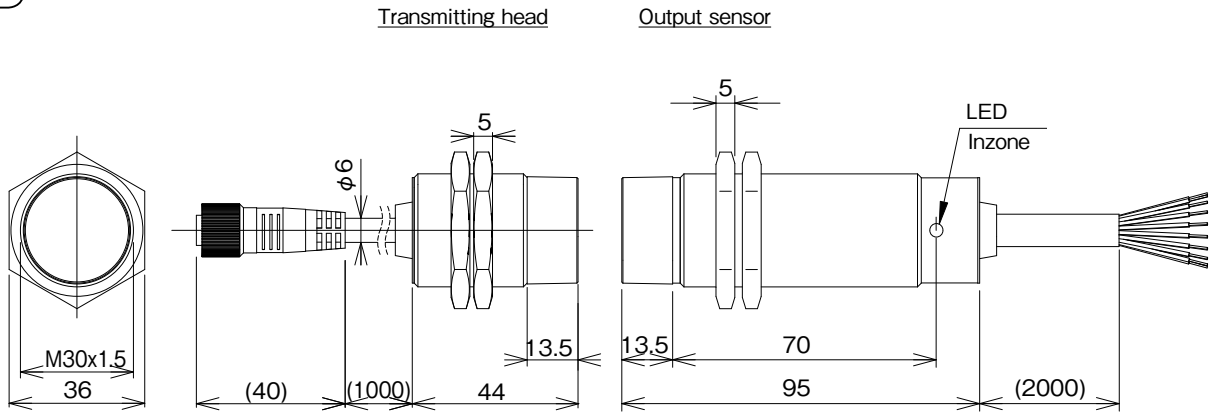
Terminal box other unit

Wiring

Products for maintenance

Special spec.

Alphanumeric product list



Wiring C026/P.119

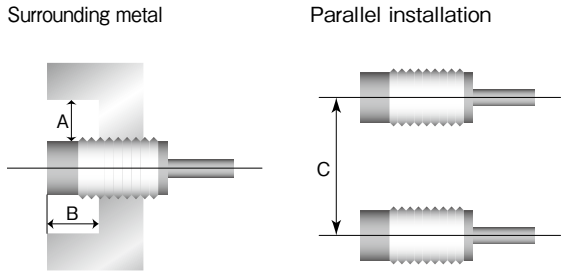
A057

Transmitter / Transmitting head	
Type Code	connect to Remote Terminal RSH16T-030-PU-CP1.0
Drive voltage	22V ± 1.5V DC
Drive current	120mA
Remote terminal	RS16TA-211_-S04, RS16T-211_-S04
Operating distance	2...8mm
Center offset	± 3mm
Operating temperature	0...+50°C
Protection class	IP67
Cable	M12 connector cable (1m, 3m, 5m) connect to Remote Terminal
Material Housing	Nickel plated brass
Material Active face	Nylon 12
Weight	Body 120 g + Cable 50 g x 1 m
Anti-weld slag Type Code	connect to Remote Terminal RSH16T-TF030-PU-CP1.0 Material
	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Output sensor	
Type Code	NPN PNP RSH16E-030N-PU-02 RSH16E-030P-PU-02
Operational voltage	24V DC ± 10% (incl. ripple)
Current consumption	≤ 500mA
No. of output signal	16 + 1 (InZone)
Load current	max.50mA per output
Frequency of operation	20Hz
LED	InZone
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR/ Ø8.5, 2x0.5mm ² +17x0.18mm ²
Material Housing	Nickel plated brass
Material Active face	Nylon 12
Weight	Body 160 g + Cable 110 g x 2 m
Anti-weld slag Type Code	NPN PNP RSH16E-TF030N-PU-02 RSH16E-TF030P-PU-02 Material
	Housing:Fluorinated resin coated/Active face:Fluorinated resin

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)
RSH16T-030-PU-CP-__	30	30	160
RSH16E-030 □ -PU-__			

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

