

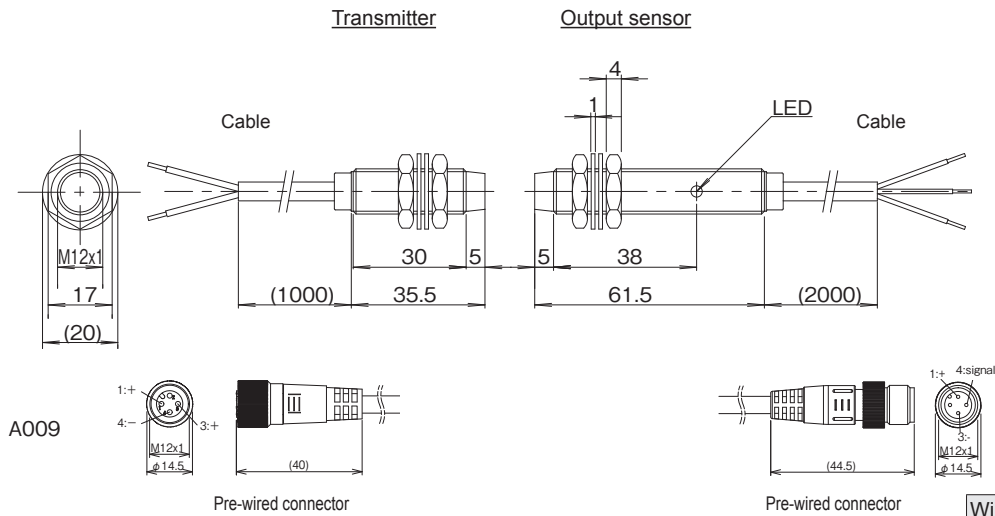
Remote Sensor System Switch Signal

DC 2-wire Detector type / Regular type
1 signal transmission

1
signal

for 1 sensor / Size : M12

Operating distance
0...2mm



Transmitter		
Type	Cable	Pre-wired connector
DC 2-wire	RPT-1202D-PU-01	RPT-1202D-PU-CP0.3
Code		
Drive voltage	12V ± 1.5V DC	
Drive current	5mA	
No. of Input signals	1 signal	
Operating distance	0...2mm	
Center offset	±1mm	
Drive current	5mA	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / φ 5 , 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	
Remark		

Output sensor		
Type	Cable	Pre-wired connector
NPN	RPE-1202N-PU-02	RPE-1202N-PU-CP0.3
PNP	RPE-1202P-PU-02	RPE-1202P-PU-CP0.3
Code		
Supply voltage	24V DC ±10% (including ripple)	
Current consumption	≤ 70mA	
No. of Output signal	1 signal	
Load current	≤ 50mA	
Frequency of operation	25Hz	
LED	Signal output indication	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / φ 5 , 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	
Remark		

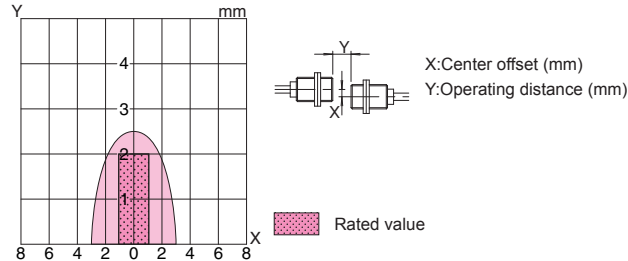
Applicable sensor

Supply voltage	12V DC
Residual voltage	≤ 3.5V
Minimum load current	≤ 5mA
Leakage current	≤ 1mA

Please sure to use applicable detector switch according to the specification on left.

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

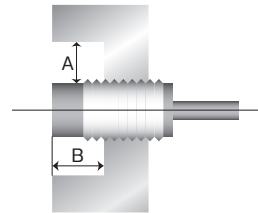
RPT-1202D-PU-__ / RPE-1202 □ -PU-__



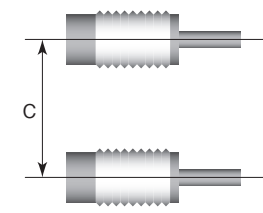
Installation notes

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

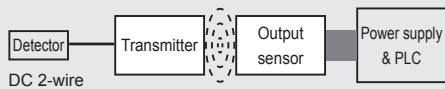
Surrounding metal



Parallel installation



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



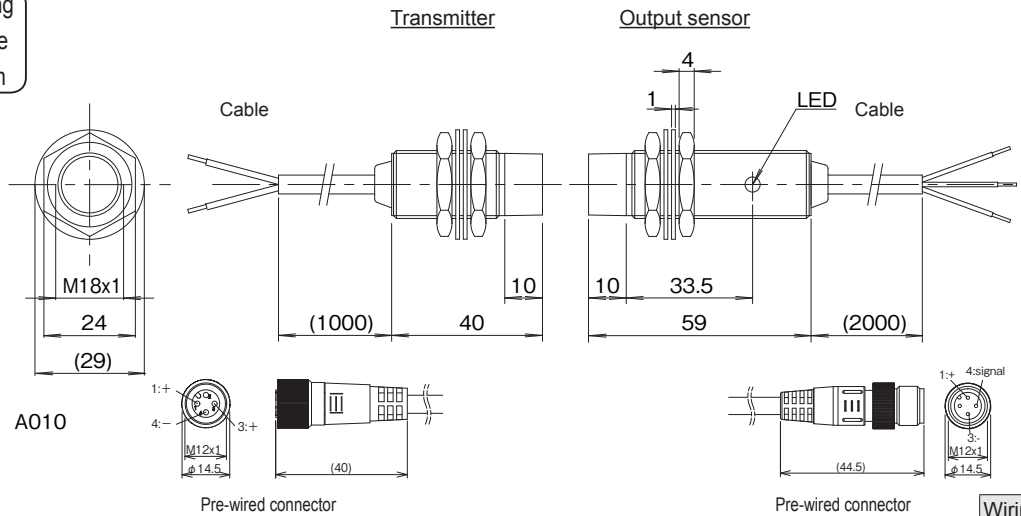
RPT-12
RPE-12

RPT-18
RPE-18

1
signal

for 1 sensor / Size : M18

Operating distance
0...4mm



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 signals		1 signal	
Operating distance		0...4mm	
Center offset		±3mm	
Drive current		5mA	
Operating temperature		0...+50°C	
Protection class		IP67	
Cable		PUR / ϕ 5 , 2x0.34mm ²	
Material	Housing	Nickel plated brass	
	Active face	Nylon 12	
Weight		Body 45g + Cable 35g x 1m / +Connector cable 30cm 30g	
Anti-weld slag type		Cable	Pre-wired connector
Type Code	DC2-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	NPN	RPE-1804N-PU-02	RPE-1804N-PU-CP0.3
Code	PNP	RPE-1804P-PU-02	RPE-1804P-PU-CP0.3
Supply voltage		24V DC ±5% (including ripple)	
Current consumption		≤ 150mA	
No. of Output signal		1 signal	
Load current		≤ 50mA	
Frequency of operation		25Hz	
LED		Signal output indication	
Operating temperature		0...+50°C	
Protection class		IP67	
Cable		PUR / ϕ 5 , 3x0.34mm ²	
Material	Housing	Nickel plated brass	
	Active face	Nylon 12	
Weight		Body 60g + Cable 35g x 2m / +Connector cable 30cm 30g	
Anti-weld slag type		Cable	Pre-wired connector
Type Code	NPN	RPE-TF1804N-PU-02	RPE-TF1804N-PU-CP0.3
	PNP	RPE-TF1804P-PU-02	RPE-TF1804P-PU-CP0.3
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin	

Wiring C006 / P.121

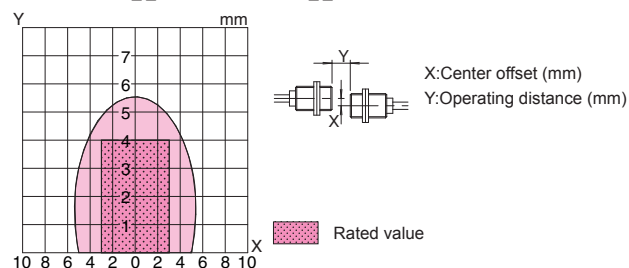
Applicable sensor

Supply voltage	12V DC
Residual voltage	\leq 3.5V
Minimum load current	\leq 5mA
Leakage current	\leq 1mA

Please sure to use applicable detector switch according to the specification on left.

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

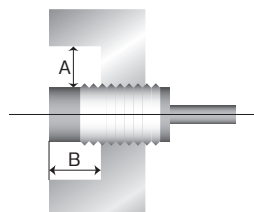
RPT-1804D-PU-__ / RPE-1804 □ -PU-__



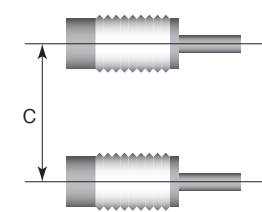
Installation notes

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

Surrounding metal



Parallel installation



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

Signal type
Switch signal

Sensor type
DC 2-wire

Remote Sensor

DC 3-wire
Detector type

DC 3-wire
Terminal unit

DC 2-wire
Detector type

DC 2-wire
Terminal unit

Exclusive
detector type

Thermocouple
type

Resistance
thermometer type

Load cell type

Analog sensor
type

Exclusive sensor

Terminal box
Other unit

Wiring

Discontinued
plans

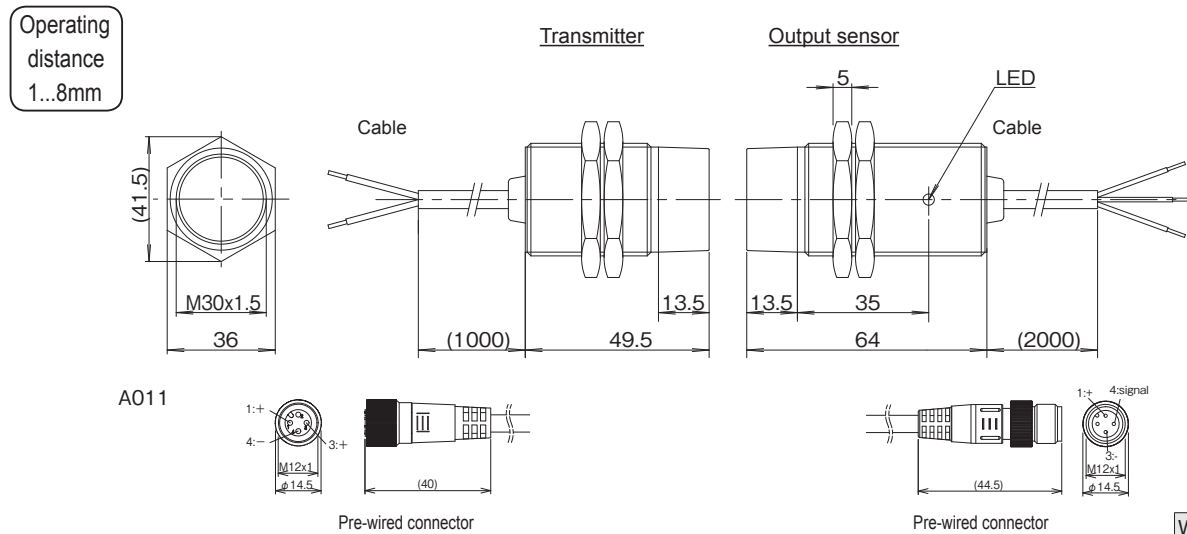
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Remote Sensor System Switch Signal

DC 2-wire Detector type / Regular type
1 signal transmission

1 signal

for 1 sensor / Size : M30



Transmitter		
Type	Cable	Pre-wired connector
DC 2-wire	RPT-3008D-PU-01	RPT-3008D-PU-CP0.3
Code		
Drive voltage	12V ± 1.5V DC	
Drive current	5mA	
No. of Input signals	1 signal	
Operating distance	1...8mm	
Center offset	±5mm	
Drive current	5mA	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / φ 5 , 2x0.34mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 110g + Cable 25g x 1m / +Connector cable 30cm 30g	
Anti-weld slag type	Cable	Pre-wired connector
Type Code	RPT-TF3008D-PU-01	RPT-TF3008D-PU-CP0.3
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin	

Output sensor		
Type	Cable	Pre-wired connector
NPN	RPE-3008N-PU-02	RPE-3008N-PU-CP0.3
PNP	RPE-3008P-PU-02	RPE-3008P-PU-CP0.3
Code		
Supply voltage	24V DC ±5% (including ripple)	
Current consumption	≤ 150mA	
No. of Output signal	1 signal	
Load current	≤ 50mA	
Frequency of operation	25Hz	
LED	Signal output indication	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / φ 5 , 3x0.34mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 130g + Cable 35g x 2m / +Connector cable 30cm 30g	
Anti-weld slag type	Cable	Pre-wired connector
Type Code	RPE-TF3008N-PU-02	RPE-TF3008N-PU-CP0.3
Material	RPE-TF3008P-PU-02	RPE-TF3008P-PU-CP0.3
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin	

Applicable sensor

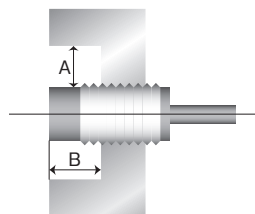
Supply voltage	12V DC
Residual voltage	≤ 3.5V
Minimum load current	≤ 5mA
Leakage current	≤ 1mA

Please sure to use applicable detector switch according to the specification on left.

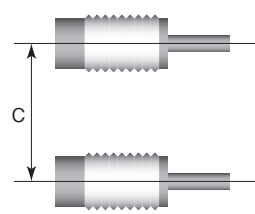
Installation notes

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

Surrounding metal



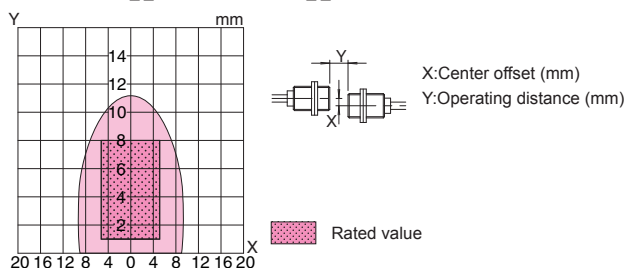
Parallel installation

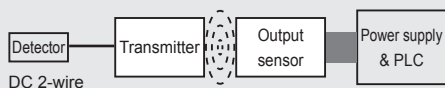


Type Code	A(mm)	B(mm)	C(mm)
RPT-3008D-PU-__	30	20	300
RPE-3008 □ -PU-__			

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

RPT-3008D-PU-__ / RPE-3008 □ -PU-__





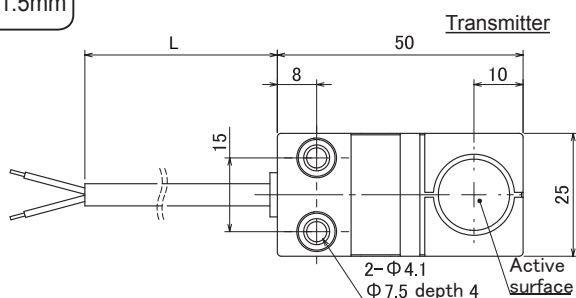
RPT-30
RPE-30

RPT-F0
RPE-F0

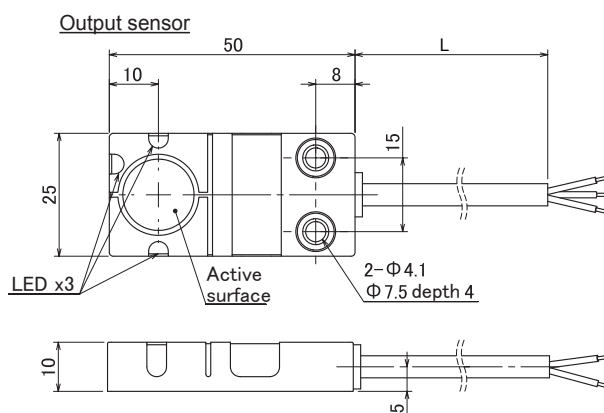
1
signal

for 1 sensor / Size : 50 x 25 x 10

Operating distance
0...1.5mm



A071



Wiring C006 / P.121

Transmitter	
Type Code	DC 2-wire RPT-F0D-PU-01
Drive voltage	12V ± 1.5V DC
Drive current	5mA
No. of Input signal	1 signal
Operating distance	0...1.5mm
Center offset	±1mm
Drive current	5mA
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / φ 4.5 , 2x0.34mm ²
Material Housing	ABS
Rear face	Aluminum
Weight	Body 20 g + Cable 30 g x 1m
Remark	

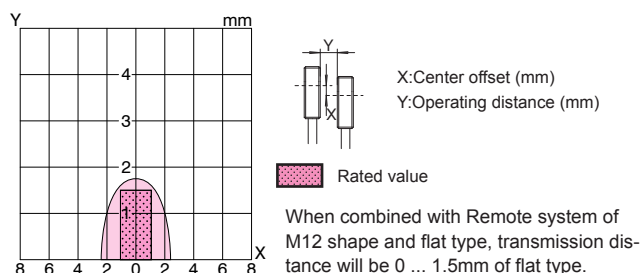
Output sensor	
Type Code	NPN RPE-F0N-PU-02 PNP RPE-F0P-PU-02
Supply voltage	24V DC ±10% (including ripple)
Current consumption	≤ 70mA
No. of Output signal	1 signal
Load current	≤ 50mA
Frequency of operation	25Hz
LED	Signal output indication
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / φ 4.5 , 3x0.34mm ²
Material Housing	ABS
Rear face	Aluminum
Weight	Body 20 g + Cable 30 g x 2m
Remark	

Applicable sensor

Supply voltage	12V DC	Please sure to use applicable detector switch according to the specification on left.
Residual voltage	≤ 3.5V	
Minimum load current	≤ 5mA	
Leakage current	≤ 1mA	

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

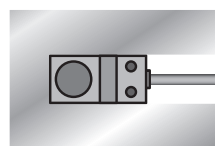
RPT-F0D-PU-__ / RPE-F0 □ -PU-__



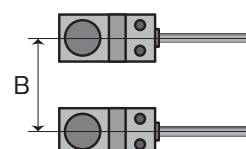
Installation notes

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

Surrounding metal



Parallel installation



3 sides with the exception of the mouth side metal Up to flush with the surface removed transmission cable. However, you must open the port side eject cable.

Type Code	A(mm)	B(mm)
RPT-F0D-PU-__	10	100
RPE-F0 □ -PU-__		

Signal type
Switch signal

Sensor type
DC 2-wire

Remote Sensor

DC 3-wire
Detector type

DC 3-wire
Terminal unit

DC 2-wire
Detector type

DC 2-wire
Terminal unit

Exclusive
detector type

Thermocouple
type

Resistance
thermometer type

Load cell type

Analog sensor
type

Exclusive sensor

Terminal box
Other unit

Wiring

Discontinued
plans

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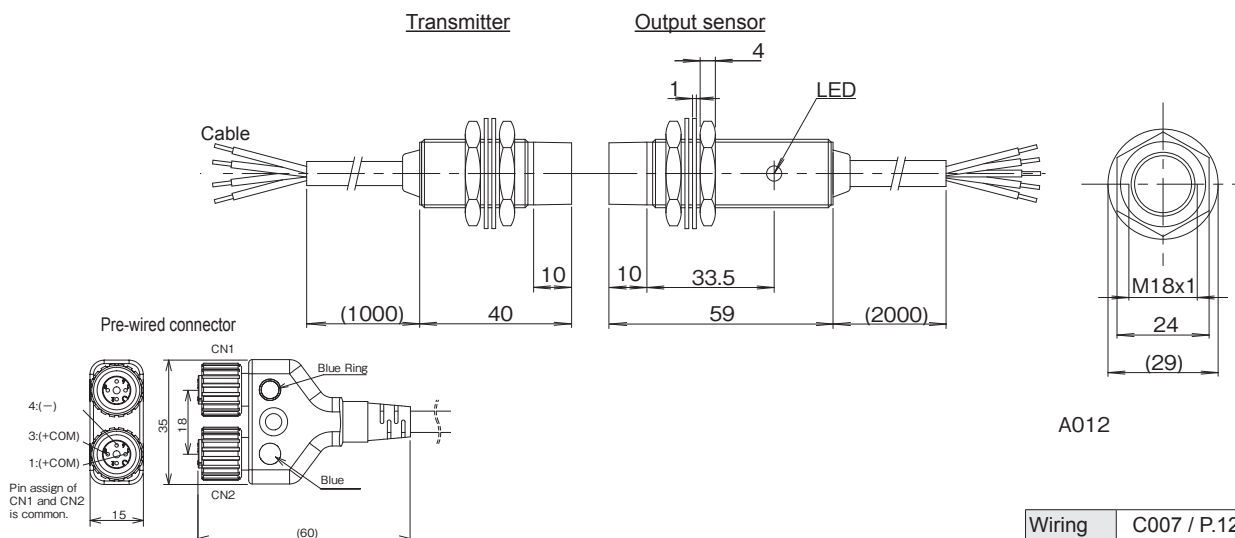
Remote Sensor System Switch Signal

DC 2-wire Detector type / Regular type
2 signals transmission

2 signals

for 2 sensors / Size : M18

Operating distance
0.5...4mm



A012

Wiring C007 / P.121

Transmitter		
Type Code	DC 2-wire	RPT2-1804D-PU-01
Drive voltage	12V \pm 1.5V DC	
Drive current	5mA per sensor	
No. of Input signals	2 signals	
Operating distance	0.5...4mm	
Center offset	\pm 2.5mm	
Drive current	5mA	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / ϕ 6 , 4x0.5mm ²	PVC / ϕ 6
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
Material		RPT2-TF1804D-CP0.3
	Housing:Fluorinated resin coated/Active face:Fluorinated resin	

Output sensor		
Type	NPN	RPE2-1804N-PU-02
Code	PNP	RPE2-1804P-PU-02
Supply voltage	24V DC \pm 10% (including ripple)	
Current consumption	\leq 150mA	
No. of Output signals	2 signals + 1 signal (Inzone)	
Load current	max.50mA per output	
Frequency of operation	25Hz	
LED	Inzone	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / ϕ 6.4 , 5x0.5mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 60 g + Cable60 g \times 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

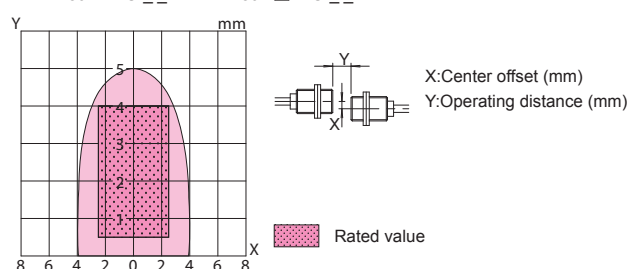
Applicable sensor

Supply voltage	12V DC
Residual voltage	\leq 3.5V
Minimum load current	\leq 5mA
Leakage current	\leq 1mA

Please sure to use applicable detector switch according to the specification on left.

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

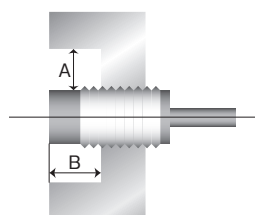
RPT2-1804D-PU-__ / RPE2-1804 □ -PU-__



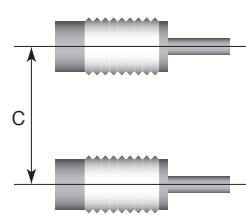
Installation notes

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

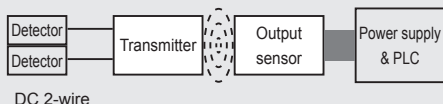
Surrounding metal



Parallel installation



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

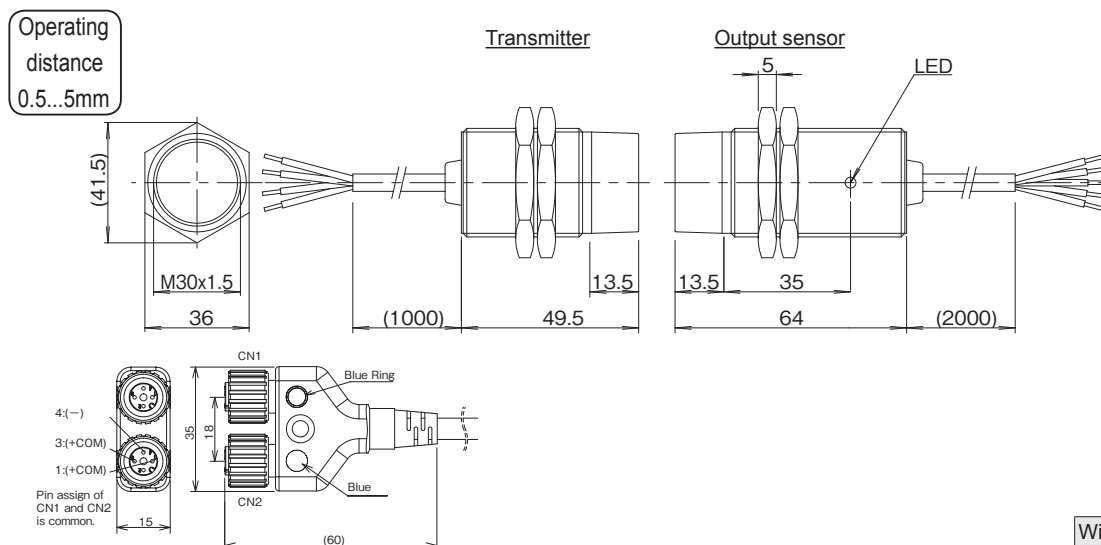


RPT2-18
RPE2-18

RPT2-30
RPE2-30

2
signals

for 2 sensors / Size : M30



Transmitter			
Type Code	DC 2-wire	Cable	Pre-wired connector
		RPT2-3005D-PU-01	RPT2-3005D-CP0.3
Drive voltage	12V ± 1.5V DC		
Drive current	5mA per sensor		
No. of Input signals	2 signals		
Operating distance	0.5...5mm		
Center offset	±5mm		
Drive current	5mA		
Operating temperature	0...+50°C		
Protection class	IP67		
Cable	PUR / φ 6 , 4x0.5mm ² PVC / φ 6		
Material Housing	Nickel plated brass		
Active face	Nylon 12		
Weight	Body 110g + Cable 50g x 1m / +Connector cable 30cm 80g		
Anti-weld slag	Cable		
Type Code	DC2-wire	RPT2-TF3005D-PU-01	RPT2-TF3005D-CP0.3
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin		

Output sensor		
Type	NPN	RPE2-3005N-PU-02
Code	PNP	RPE2-3005P-PU-02
Supply voltage	24V DC ±10% (including ripple)	
Current consumption	≤ 150mA	
No. of Output signals	2 signals + 1 signal (Inzone)	
Load current	max.50mA per output	
Frequency of operation	25Hz	
LED	Inzone	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / φ 6.4 , 5x0.5mm ²	
Material	Housing	Nickel plated brass
	Active face	Nylon 12
Weight	Body 130 g + Cable60 g × 2 m	
Anti-weld slag	NPN	RPE2-TF3005N-PU-02
Type Code	PNP	RPE2-TF3005P-PU-02
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Wiring C007 / P.121

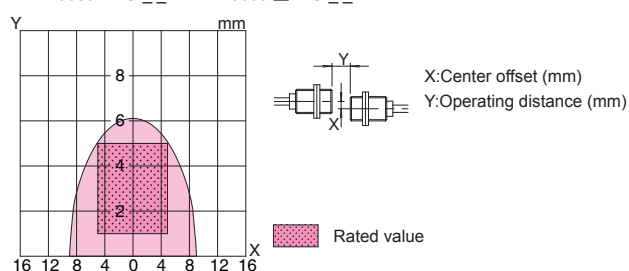
Applicable sensor

Supply voltage	12V DC
Residual voltage	≤ 3.5V
Minimum load current	≤ 5mA
Leakage current	≤ 1mA

Please sure to use applicable detector switch according to the specification on left.

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

RPT2-3005D-PU-__ / RPE2-3005 □ -PU-__

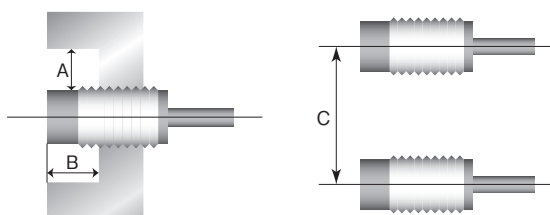


Installation notes

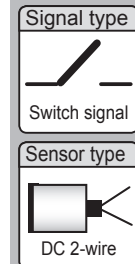
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted sensors, keep the minimum free zone as described below.

■ Surrounding metal

■ Parallel installation



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



Remote
Sensor

DC 3-wire
Detector type

DC 3-wire
Terminal unit

DC 2-wire
Detector type

DC 2-wire
Terminal unit

Exclusive
detector type

Thermocouple
type

Resistance
thermometer type

Load cell type

Analog sensor
type

Exclusive sensor

Terminal box
Other unit

Wiring

Discontinued
plans

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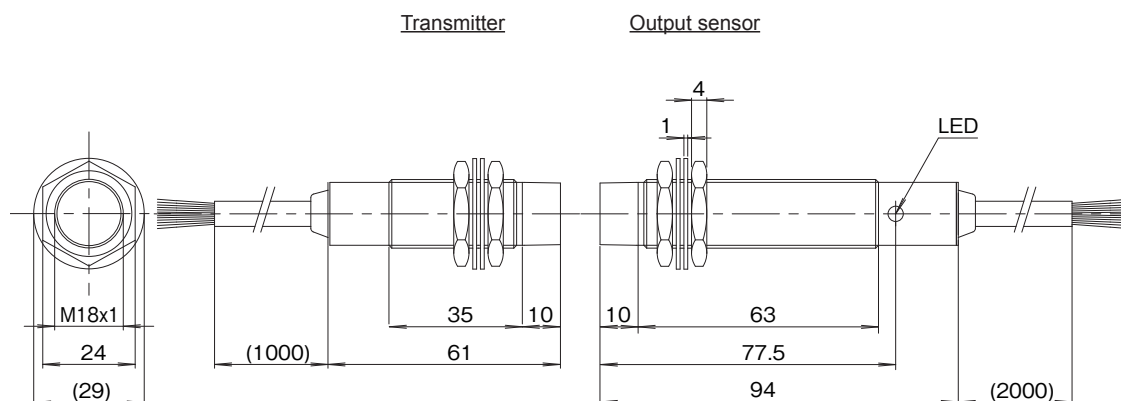
Remote Sensor System Switch Signal

DC 2-wire Detector type / Regular type
4 signals transmission

4 signals

for max. 4 sensors / Size : M18

Operating
distance
0.5...3mm



A003

Wiring C008 / P.121

Transmitter		
Type Code	DC 2-wire	RPT4-1803D-PU-01
Drive voltage	12V \pm 1.5V DC	
Drive current	5mA per sensor	
No. of Input signals	4 signals	
Operating distance	0.5...3mm	
Center offset	\pm 2mm	
Drive current	5mA	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / ϕ 6.3 , 7x0.3mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 60 g + Cable 60 g \times 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
Supply voltage	24V DC \pm 5% (including ripple)	
Current consumption	\leq 170mA	
No. of Output signals	4 signals + 1 signal (Inzone)	
Load current	max. 50mA per output	
Frequency of operation	30Hz	
LED	Inzone	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / ϕ 6.3 , 7x0.3mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 80 g + Cable 60 g \times 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

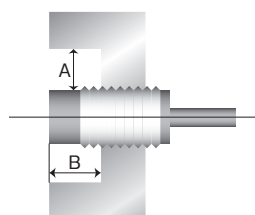
Supply voltage	12V DC
Residual voltage	\leq 3.5V
Minimum load current	\leq 5mA
Leakage current	\leq 1mA

Please sure to use applicable detector switch according to the specification on left.

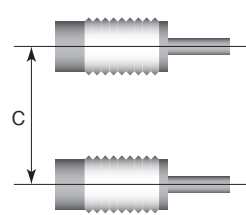
Installation notes

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

Surrounding metal

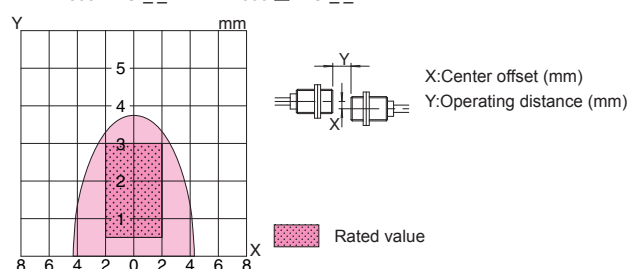


Parallel installation

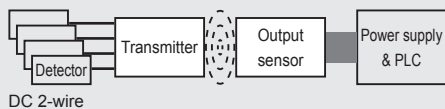


Typical Transmitting Diagram (Supply voltage at 24V / non-flush mount)

RPT4-1803D-PU-__ / RPE4-1803 □ -PU-__



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



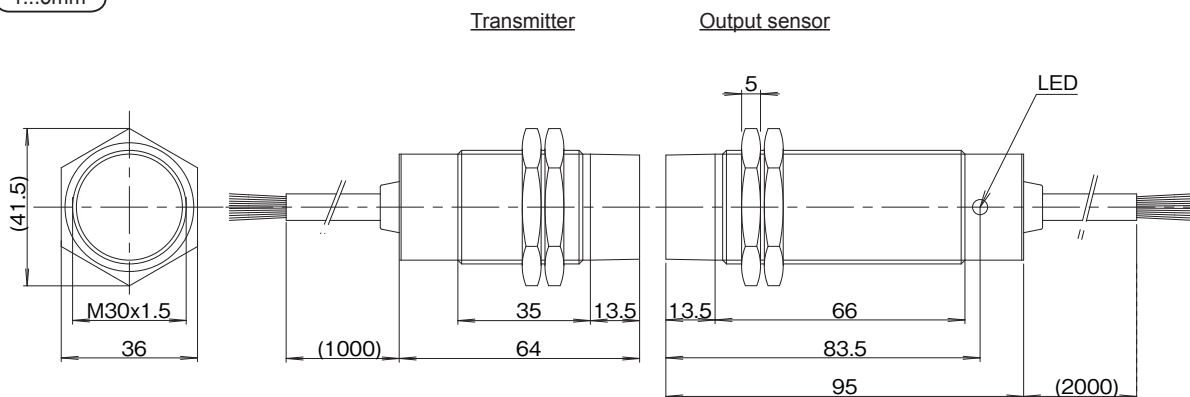
RPT4-18
RPE4-18

RPT4-30
RPE4-30

4
signals

for maz. 4 sensors / Size : M30

Operating
distance
1...5mm



A004

Wiring C008 / P.121

Transmitter	
Type Code	DC 2-wire RPT4-3005D-PU-01
Drive voltage	12V \pm 1.5V DC
Drive current	5 mA per sensor
No. of Input signals	4 signals
Operating distance	1...5mm
Center offset	\pm 6mm
Drive current	5mA
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / ϕ 6.3 , 7x0.3mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 130 g + Cable60 g \times 1 m
Anti-weld slag	DC 2-wire RPT4-TF3005D-PU-01
Type Code	Material Housing:Fluorinated resin coated/Active face:Fluorinated resin

Output sensor	
Type Code	NPN RPE4-3005N-PU-02 PNP RPE4-3005P-PU-02
Supply voltage	24V DC \pm 5% (including ripple)
Current consumption	\leq 150mA
No. of Output signals	4 signals + 1 signal (Inzone)
Load current	max.50mA per output
Frequency of operation	30Hz
LED	Inzone
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / ϕ 6.3 , 7x0.3mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 160 g + Cable60 g \times 2 m
Anti-weld slag	NPN RPE4-TF3005N-PU-02 PNP RPE4-TF3005P-PU-02
Type Code	Material Housing:Fluorinated resin coated/Active face:Fluorinated resin

Applicable sensor

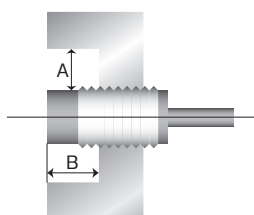
Supply voltage	12V DC
Residual voltage	\leq 3.5V
Minimum load current	\leq 5mA
Leakage current	\leq 1mA

Please sure to use applicable detector switch according to the specification on left.

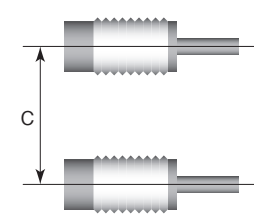
Installation notes

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

Surrounding metal

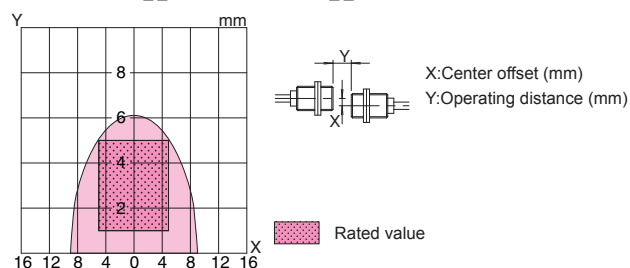


Parallel installation



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-__			

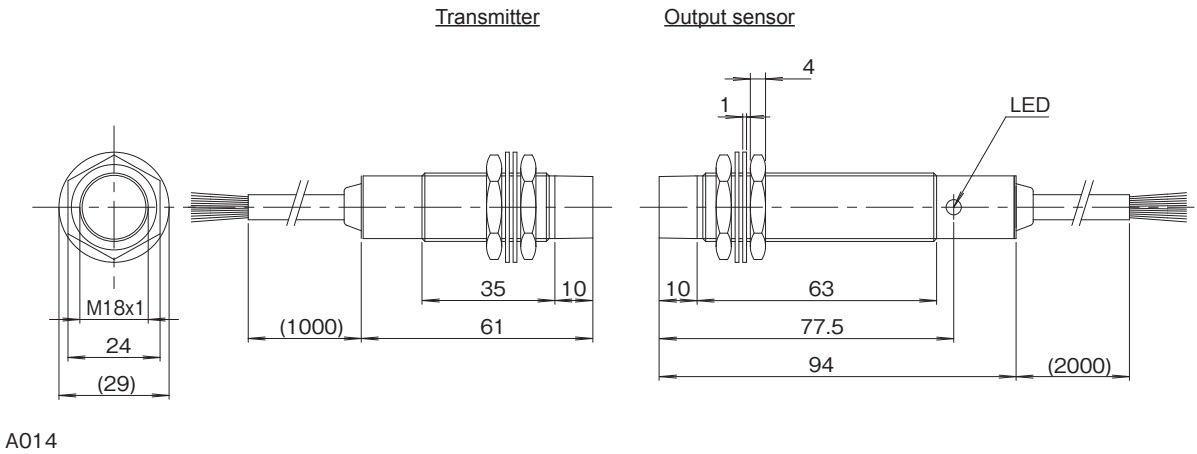
Remote Sensor System Switch Signal

DC 2-wire Detector type / Regular type
8 signals transmission

8 signals

for max. 8 sensors / Size : M18

Operating
distance
0.5...3mm



Wiring C009 / P.122

Transmitter		
Type Code	DC 2-wire	RPT8-1803D-PU-01
Drive voltage	12V \pm 1.5V DC	
Drive current	5 mA per sensor	
No. of Input signals	8 signals	
Operating distance	0.5...3mm	
Center offset	\pm 2.5mm	
Drive current	5mA	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / ϕ 7.9 , 9x0.18mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 60 g + Cable 75 g \times 1 m	
Anti-weld slag Type Code	DC2-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
Supply voltage	24V DC \pm 10% (including ripple)	
Current consumption	\leq 400mA	
No. of Output signals	8 signals + 1 signal (Inzone)	
Load current	max.50mA per output	
Frequency of operation	60Hz	
LED	Inzone	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / ϕ 7.7 , 2x0.5mm ² +9x0.18mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 90 g + Cable 75 g \times 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	

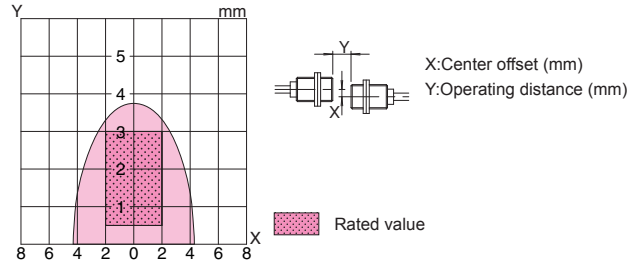
Applicable sensor

Supply voltage	12V DC
Residual voltage	\leq 3.5V
Minimum load current	\leq 5mA
Leakage current	\leq 1mA

Please sure to use applicable detector switch according to the specification on left.

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

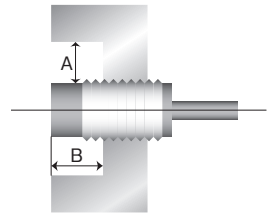
RPT8-1803D-PU-__ / RPE8-1800 □ -PU-__



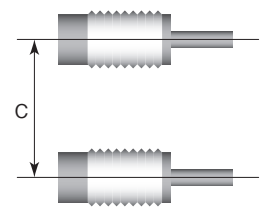
Installation notes

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

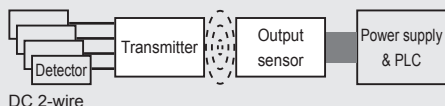
Surrounding metal



Parallel installation



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



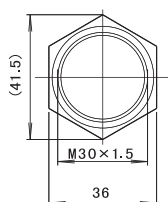
RPT8-18
RPE8-18

RPT8-30
RPE8-30

8
signals

for maz. 8 sensors / Size : M30

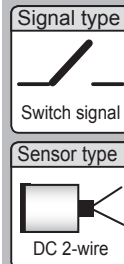
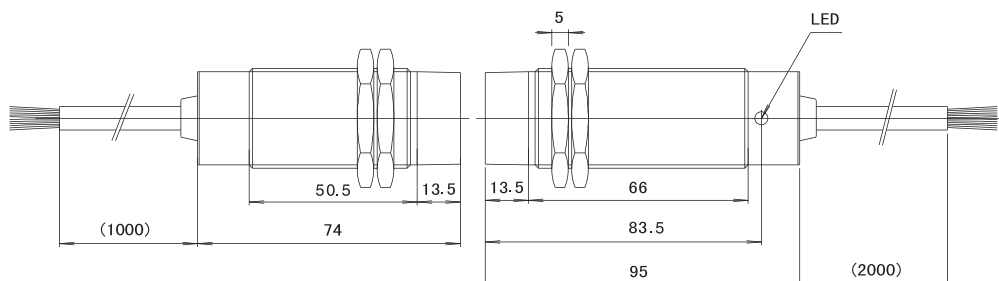
Operating
distance
2...7mm



A005

Transmitter

Output sensor



Remote
Sensor

DC 3-wire
Detector type

DC 3-wire
Terminal unit

DC 2-wire
Detector type

DC 2-wire
Terminal unit

Exclusive
detector type

Thermocouple
type

Resistance
thermometer type

Load cell type

Analog sensor
type

Exclusive sensor

Terminal box
Other unit

Wiring

Discontinued
plans

Index

RPT8-3007D is — common.

The + common type is also available, please contact ud.

Wiring C010 / P.122

Transmitter	
Type Code	DC 2-wire
	RPT8-3007D-PU-01
Drive voltage	22V +4 -2V DC
Drive current	5 mA per sensor
No. of Input signals	8 signals
Operating distance	2...7mm
Center offset	±3mm
Drive current	5mA
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / ϕ 7.7 , 2x0.5mm ² +9x0.18mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 150 g + Cable 75 g × 1 m
Anti-weld slag Type Code	DC2-wire
	RPT8-TF3007D-PU-01
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Output sensor	
Type Code	NPN
	RPE8-3000N-PU-02
	RPE8-3000P-PU-02
Supply voltage	24V DC ±10% (including ripple)
Current consumption	≤ 400mA
No. of Output signals	8 signals + 1 signal (Inzone)
Load current	max.50mA per output
Frequency of operation	60Hz
LED	Inzone
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR / ϕ 7.7 , 2x0.5mm ² +9x0.18mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 190 g + Cable 75 g × 2 m
Anti-weld slag Type Code	NPN
	RPE8-TF3000N-PU-02
	RPE8-TF3000P-PU-02
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin

Applicable sensor

Supply voltage	22V DC
Residual voltage	≤ 6V
Minimum load current	≤ 5mA
Leakage current	≤ 1mA

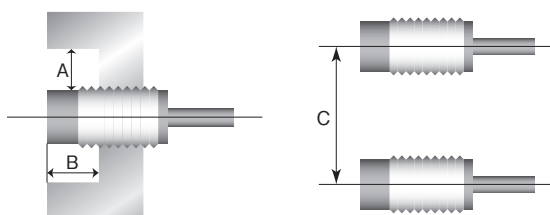
Please sure to use applicable detector switch according to the specification on left.

Installation notes

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

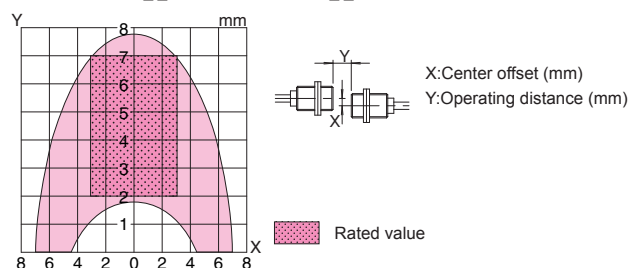
■ Surrounding metal

■ Parallel installation



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

RPT8-3007D-PU-__ / RPE8-3000 □ -PU-__



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

Remote Sensor System Switch Signal

DC 2-wire Detector type / Regular type
8 signals transmission

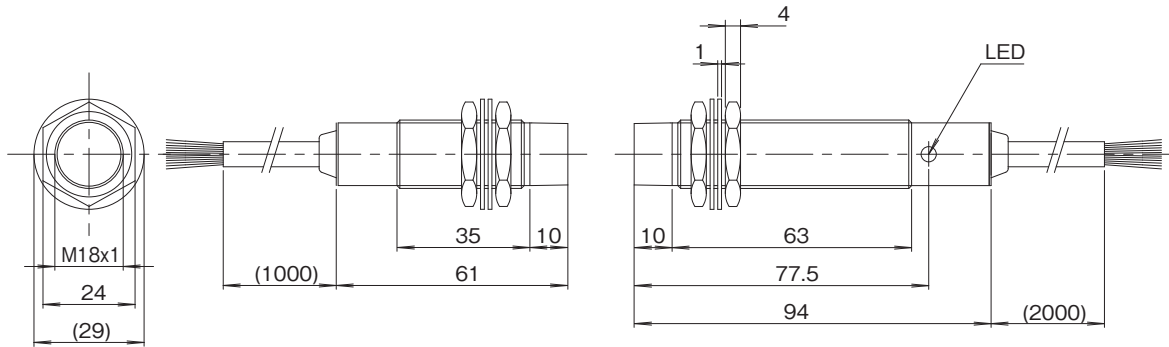
High Temperature **8** signals

for max. 8 sensors / Size : M18

Operating distance
0.5...3mm

Transmitter

Output sensor



A014

Wiring C009 / P.122

Transmitter	
Type Code	DC 2-wire RS08TA-018D-PU-01
Drive voltage	12V ± 1.5V DC
Drive current	5 mA per sensor
No. of Input signals	8 signals
Operating distance	0.5...3mm
Center offset	±2.5mm
Drive current	5mA
Operating temperature	0...+80°C
Protection class	IP67
Cable	PUR / ϕ 7.9 , 9x0.18mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 65 g + Cable 75 g × 1 m

Output sensor	
Type Code	NPN RS08EA-018N-PU-02 PNP RS08EA-018P-PU-02
Supply voltage	24V DC ±10% (including ripple)
Current consumption	≤ 150mA
No. of Output signals	8 signals + 1 signal (Inzone)
Load current	max.50mA per output
Frequency of operation	60Hz
LED	Inzone
Operating temperature	0...+80°C
Protection class	IP67
Cable	PUR / ϕ 7.7 , 2x0.5mm ² +9x0.18mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 95 g + Cable 75 g × 2 m

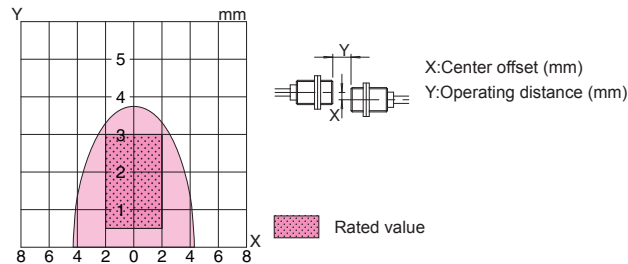
Applicable sensor

Supply voltage	12V DC
Residual voltage	≤ 3.5V
Minimum load current	≤ 5mA
Leakage current	≤ 1mA

Please sure to use applicable detector switch according to the specification on left.

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

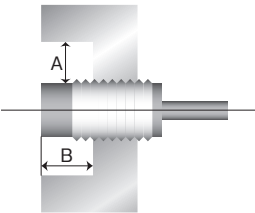
RS08TA-018D-PU-__ / RS08EA-018 □ -PU-__



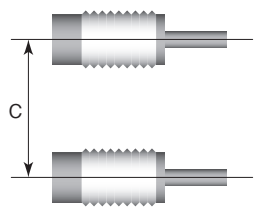
Installation notes

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

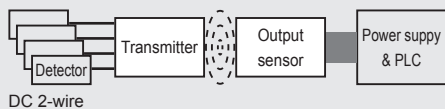
Surrounding metal



Parallel installation



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



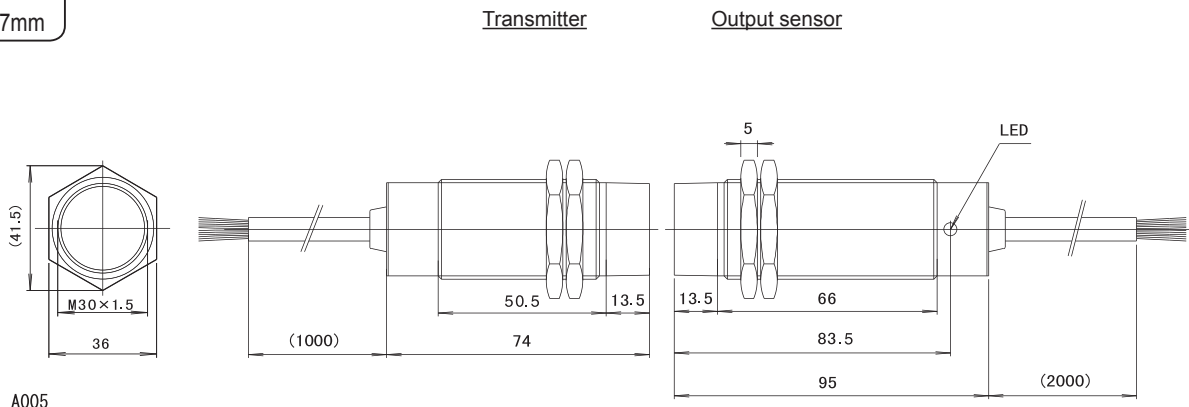
RS08TA-18
RS08EA-18

RS08TA-30
RS08EA-30

8
signals

for maz. 8 sensors / Size : M30

Operating
distance
2...7mm



Wiring C009 / P.122

Transmitter	
Type Code	DC 2-wire RS08TA-030D-PU-01
Drive voltage	12V \pm 1.5V DC
Drive current	5 mA per sensor
No. of Input signals	8 signals
Operating distance	2...7mm
Center offset	\pm 3mm
Drive current	5mA
Operating temperature	0...+80°C
Protection class	IP67
Cable	PUR / ϕ 7.9 , 9x0.18mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 150 g + Cable 75 g \times 1 m

Output sensor	
Type Code	NPN RS08EA-030N-PU-02 PNP RS08EA-030P-PU-02
Supply voltage	24V DC \pm 10% (including ripple)
Current consumption	\leq 150mA
No. of Output signals	8 signals + 1 signal (Inzone)
Load current	max.50mA per output
Frequency of operation	60Hz
LED	Inzone
Operating temperature	0...+80°C
Protection class	IP67
Cable	PUR / ϕ 7.7 , 2x0.5mm ² +9x0.18mm ²
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 160 g + Cable 75 g \times 2 m

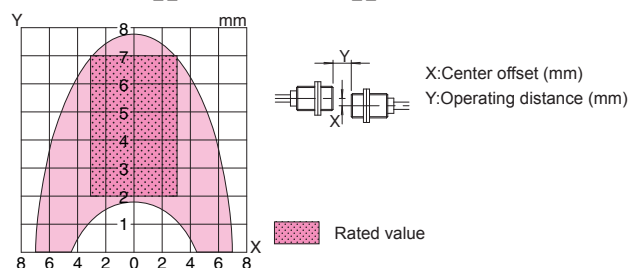
Applicable sensor

Supply voltage	12V DC
Residual voltage	\leq 3.5V
Minimum load current	\leq 5mA
Leakage current	\leq 1mA

Please sure to use applicable detector switch according to the specification on left.

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

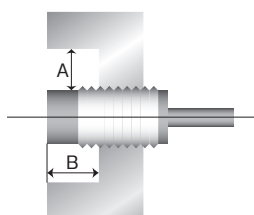
RS08TA-030D-PU-__ / RS08EA-030 □ -PU-__



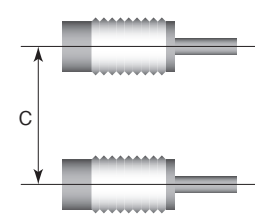
Installation notes

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

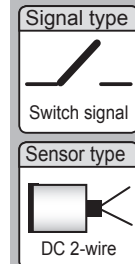
Surrounding metal



Parallel installation



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



Remote
Sensor

DC 3-wire
Detector type

DC 3-wire
Terminal unit

DC 2-wire
Detector type

DC 2-wire
Terminal unit

Exclusive
detector type

Thermocouple
type

Resistance
thermometer type

Load cell type

Analog sensor
type

Exclusive sensor

Terminal box
Other unit

Wiring

Discontinued
plans

Index

Remote Sensor System Switch Signal

DC 2-wire Detector type / Regular type
15 signals transmission

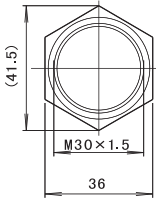
15
signals

for maz. 15 sensors / Size : M30

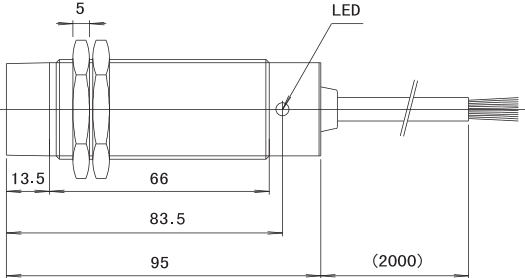
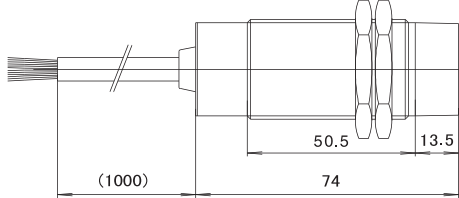
Operating
distance
1...5mm

Transmitter

Output sensor



A005



Wiring C011 / P.123

Transmitter		
Type Code	DC 2-wire	RPT15-3005D-PU-01
Drive voltage	12V ± 1.5V DC	
Drive current	5 mA per sensor	
No. of Input signals	15 signals	
Operating distance	1...5mm	
Center offset	±2.5mm	
Drive current	5mA	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / φ 8.6 , 2x0.5mm ² +16x0.18mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 170 g + Cable105 g × 1 m	
Anti-weld slag Type Code	DC2-wire	RPT15-TF3005D-PU-01
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin	

Output sensor		
Type Code	NPN	RPE15-3000N-PU-02
	PNP	RPE15-3000P-PU-02
Supply voltage	24V DC +10 -20% (including ripple)	
Current consumption	≤ 500mA	
No. of Output signals	15 signals + 1 signal (Inzone)	
Load current	max.50mA per output	
Frequency of operation	20Hz	
LED	Inzone	
Operating temperature	0...+50°C	
Protection class	IP67	
Cable	PUR / φ 8.6 , 2x0.5mm ² +16x0.18mm ²	
Material Housing	Nickel plated brass	
Active face	Nylon 12	
Weight	Body 200 g + Cable105 g × 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	

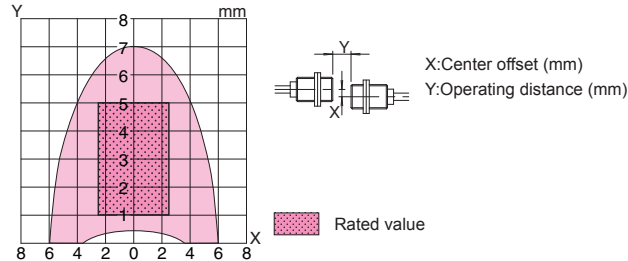
Applicable sensor

Supply voltage	12V DC
Residual voltage	≤ 3.5V
Minimum load current	≤ 5mA
Leakage current	≤ 1mA

Please sure to use applicable detector switch according to the specification on left.

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

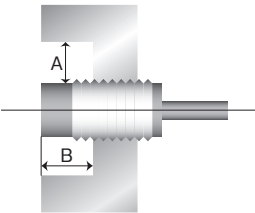
RPT15-3005D-PU-__ / RPE15-3000 __ -PU-__



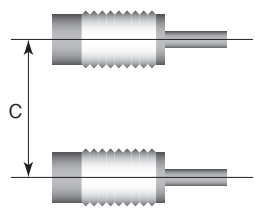
Installation notes

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

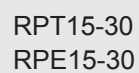
Surrounding metal



Parallel installation




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



15 signals

[illegible]

Switch signal



DC 2-wire

Remote Sensor

DC 3-wire
Terminal unit

DC 2-wire
Detector type

DC 2-wire
Terminal unit

Exclusive
detector type

Thermocouple
type

Resistance thermometer type

Load cell type

Analog sensor type

Exclusive sensor

Terminal box
Other unit

Wiring

Discontinued plans

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