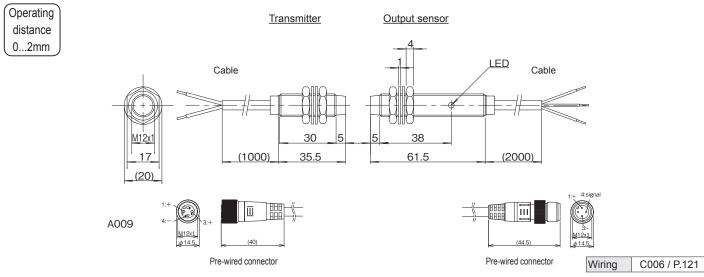
for 1 sensor / Size : M12



	Transmitter		
	Cable	Pre-wired connector	
Type DC 2-wire	RPT-1202D-PU-01	RPT-1202D-PU-CP0.3	
Drive voltage	12V ± 1.5V DC		
Drive current	5mA		
No. of Input signals	1 signal		
Operating distance	02mm		
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			

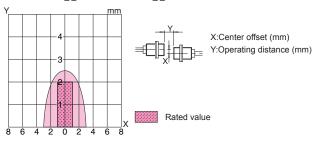
	Output sensor			
	Cable	Pre-wired connector		
Type NPN	RPE-1202N-PU-02	RPE-1202N-PU-CP0.3		
Code PNP	RPE-1202P-PU-02	RPE-1202P-PU-CP0.3		
Supply voltage	24V DC ±10% (including	ripple)		
Current consumption	≦ 70mA			
No. of Output signal	1 signal			
Load current	≦ 50mA			
Frequency of operation	25Hz			
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

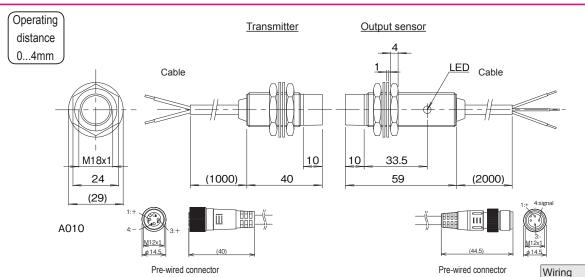
Type Code	A(mm)	B(mm)	C(mm)
RPT-1202D-PU	10	12	100
RPE-1202 -PU	12	12	100

Output

Power supply

& PLC

for 1 sensor / Size: M18



		Transmitter			
		Cable	Pre-wired connector		
Type DC 2	2-wire	RPT-1804D-PU-01	RPT-1804D-PU-CP0.3		
Drive voltage		12V ± 1.5V DC			
Drive current		5mA			
No. of Input sig	nals	1 signal			
Operating dista	nce	04mm			
Center offset		±3mm			
Drive current		5mA			
Operating temperature		0+50°C			
Protection class	3	IP67			
Cable		PUR / ϕ 5 , 2x0.34mm ²			
Material Housing		Nickel plated brass			
Active fac	e	Nylon 12			
Weight		Body 45g + Cable 35g x 1m / +Connector cable 30cm 30g			
A attacked also to a		Cabla	Dro wired connector		
Anti-weld slag t	ype	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			

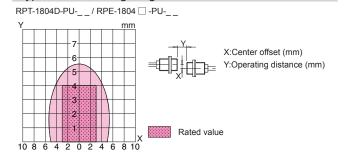
		Output sensor		
		Cable	Pre-wired connector	
Type NF	N	RPE-1804N-PU-02	RPE-1804N-PU-CP0.3	
Code PN	1P	RPE-1804P-PU-02	RPE-1804P-PU-CP0.3	
Supply voltage	90	24V DC ±5% (including ripple)		
,			прые)	
Current consu	mption	≦ 150mA		
No. of Outpu	t signal	1 signal		
Load current		≦ 50mA		
Frequency of o	peration	25Hz		
LED		Signal output indication		
Operating temperature		0+50°C		
Protection cl	ass	IP67		
Cable		PUR / φ 5 , 3x0.34mm ²		
Material Hous	sing	Nickel plated brass		
Active face		Nylon 12		
Weight		Body 60g + Cable 35g x 2m / +Connector cable 30cm 30g		
Anti-weld sla	g type	Cable	Pre-wired connector	
Type Code	NPN	RPE-TF1804N-PU-02	RPE-TF1804N-PU-CP0.3	

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)



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.

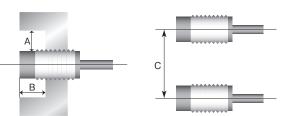
RPE-TF1804P-PU-02

■ Surrounding metal

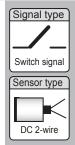
■ Parallel installation

Material Housing:Fluorinated resin coated/Active face:Fluorinated resin

RPE-TF1804P-PU-CP0.3



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



Remote Sensor

C006 / P.121

DC 3-wire Terminal unit

DC 2-wire Detector type

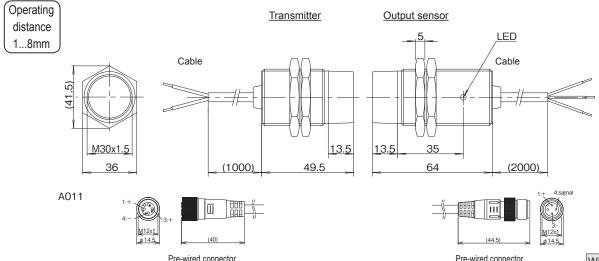
DC 2-wire Terminal unit

Terminal box Other unit

Wiring

Discontinued plans

for 1 sensor / Size: M30



Pre-wired connector

C006 / P.121 Wiring

		Transmitter		
		Cable	Pre-wired connector	
Type) wiro	RPT-3008D-PU-01	RPT-3008D-PU-CP0.3	
Code	-wiie	KF1-3000D-PU-01	KF1-3000D-FU-CF0.3	
Drive veltare		10// 15/100		
Drive voltage		12V ± 1.5V DC		
Drive current		5mA		
No. of Input sig	nals	1 signal		
Operating dista	nce	18mm		
Center offset		±5mm		
Drive current		5mA		
Operating temper	ature	0+50°C		
Protection class		IP67		
Cable		PUR / φ 5 , 2x0.34mm ²		
Material Housin	g	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	DC2- wire	RPT-TF3008D-PU-01	RPT-TF3008D-PU-CP0.3	
	Material	Housing:Fluorinated resin coate	ed/Active face:Fluorinated resin	

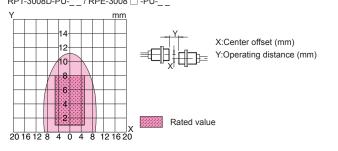
			Output sensor		
			Cable	Pre-wired connector	
	Type NPN		RPE-3008N-PU-02	RPE-3008N-PU-CP0.3	
	Code PNP		RPE-3008P-PU-02	RPE-3008P-PU-CP0.3	
-	Supply voltage		24V DC ±5% (including ripple)		
-	Current consum	ntion	≤ 150mA	ppie)	
-	No. of Output s	•			
-	Load current	igriai	1 signal ≤ 50mA		
-	Frequency of ope	rotion	<u> </u>		
_	. , .	lation			
_	LED		Signal output indication		
_	Operating tempe	rature	0+50°C		
	Protection class	S	IP67		
	Cable		PUR / ϕ 5 , 3x0.34mm ²		
	Material Housin	g	Nickel plated brass		
	Active	face	Nylon 12		
	Weight		Body 130g + Cable 35g x 2m / +Connector cable 30cm 30g		
	A.C. and delegation		Cabla	Dro wired connector	
	Anti-weld slag t	•	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	

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-3008D-PU-_ _ / RPE-3008 🗌 -PU-_ _



Installation notes

■ Surrounding metal

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.

Material Housing:Fluorinated resin coated/Active face:Fluorinated resin

■ Parallel installation

В

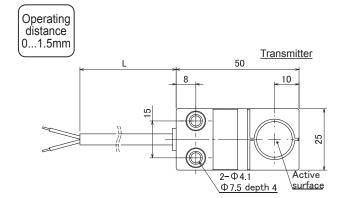
Type Code	A(mm)	B(mm)	C(mm)
RPT-3008D-PU	20	20	200
RPE-3008 -PU	30	20	300

for 1 sensor / Size: 50 x 25 x 10

Transmitter

Detector

DC 2-wire



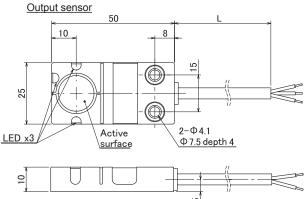
Output

sensor

Power supply

& PLC

A071



Wiring C006 / P.121

Transmitter		
Type DC 2-wire	RPT-F0D-PU-01	
Drive voltage	12V ± 1.5V DC	
Drive current	5mA	
No. of Input signal	1 signal	
Operating distance	01.5mm	
Center offset	±1mm	
Drive current	5mA	
Operating temperature	0+50℃	
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		

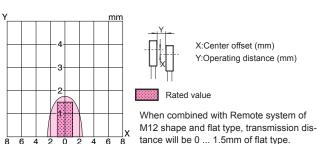
	Output sensor
Type NPN	RPE-F0N-PU-02
Code PNP	RPE-F0P-PU-02
Supply voltage	24V DC ±10% (including ripple)
Current consumption	≦ 70mA
No. of Output signal	1 signal
Load current	≦ 50mA
Frequency of operation	25Hz
LED	Signal output indication
Operating temperature	0+50°C
Protection class	IP67
Cable	PUR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

Installation notes

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

Applicable sensor

Typical Transmitting Diagram (Supply voltage at 24V / non-flush mount) RPT-F0D-PU- / RPE-F0 □ -PU-

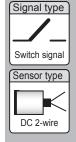


In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted sensors, keep the minimum free zone as described below.

Surrounding metal ■ Parallel installation В

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	10	100



Remote Sensor

DC 3-wire Terminal unit

DC 2-wire Detector type

DC 2-wire Terminal unit

Exclusive

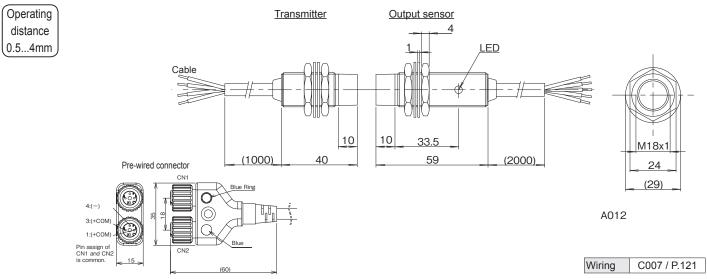
Terminal box Other unit

Wiring

Discontinued plans



for 2 sensors / Size: M18



		Transmitter		
		Cable	Pre-wired connector	
Type Code DO	2-wire	RPT2-1804D-PU-01	RPT2-1804D-CP0.3	
Drive voltage		12V ± 1.5V DC		
Drive current		5mA per sensor		
No. of Input s	ignals	2 signals		
Operating dis	tance	0.54mm		
Center offset		±2.5mm		
Drive current		5mA		
Operating tem	perature	0+50°C		
Protection cla	ass	IP67		
Cable		PUR / φ 6 , 4x0.5mm ²	PVC / φ 6	
Material Housing Nickel plated brass				
Acti	ve face	Nylon 12		
Weight		Body 50g + Cable 50g x 1m /	+Connector cable 30cm 80g	
Anti-weld slag		Cable	Pre-wired connector	
	DC2-wire	RPT2-TF1804D-PU-01	RPT2-TF1804D-CP0.3	
Type Code	Material		ed/Active face:Fluorinated resin	

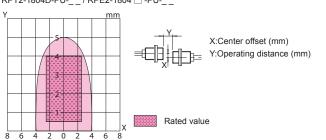
		Willing Coot / P.121
		Output sensor
Type NPN		RPE2-1804N-PU-02
Code PNP		RPE2-1804P-PU-02
Supply voltage		24V DC ±10% (including ripple)
Current consum	nption	≦ 150mA
No. of Output s	signals	2 signals + 1 signal (Inzone)
Load current		max.50mA per output
Frequency of op	eration	25Hz
LED		Inzone
Operating temper	erature	0+50°C
Protection class	SS	IP67
Cable		PUR / φ 6.4 , 5x0.5mm ²
Material Housin	ng	Nickel plated brass
Active	face	Nylon 12
Weight		Body 60 g + Cable60 g × 2 m
Anti-weld slag	NPN	RPE2-TF1804N-PU-02
Type Code	PNP	RPE2-TF1804P-PU-02
7,1	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

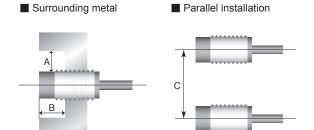
Please sure to use applicable detector switch according to the specification on left.

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



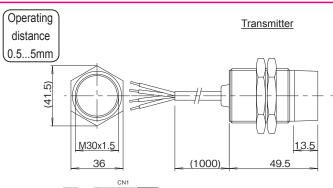
Type Code	A(mm)	B(mm)	C(mm)
RPT2-1804D-PU	20	15	110
RPE2-1804 🗌 -PU	20	15	110

Detector

Detector

for 2 sensors / Size: M30

Transmitter

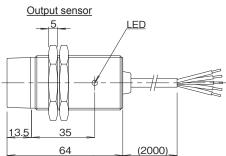


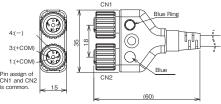
Power supply

& PLC

Output

sensor





Wiring C007 / P.121

		Transmitter		
		Cable	Pre-wired connector	
Type Code D	C 2-wire	RPT2-3005D-PU-01	RPT2-3005D-CP0.3	
Drive voltage	Δ	12V ± 1.5V DC		
Drive curren		5mA per sensor		
No. of Input	signals	2 signals		
Operating di	istance	0.55mm		
Center offse	t	±5mm		
Drive curren	it	5mA		
Operating tem	perature	0+50°C		
Protection cl	lass	IP67		
Cable		PUR / φ 6 , 4x0.5mm ²	PVC / φ 6	
Material Housing		Nickel plated brass		
Activ	e face	Nylon 12		
Weight		Body 110g + Cable 50g x 1m / +Connector cable 30cm 80g		
Anti-weld slag	7			
Anti-welu siag		Cable	Pre-wired connector	
Type Code	DC2-wire	RPT2-TF3005D-PU-01	RPT2-TF3005D-CP0.3	
	Material	Housing:Fluorinated resin coate	ed/Active face:Fluorinated resin	

		0.1	
		Output sensor	
Type NPN		RPE2-3005N-PU-02	
Code PNP		RPE2-3005P-PU-02	
Supply voltage		24V DC ±10% (including ripple)	
Current consum	ption	≦ 150mA	
No. of Output si	gnals	2 signals + 1 signal (Inzone)	
Load current		max.50mA per output	
Frequency of ope	ration	25Hz	
LED		Inzone	
Operating tempe	rature	0+50°C	
Protection class	S	IP67	
Cable		PUR / ϕ 6.4 , 5x0.5mm ²	
Material Housin	g	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	

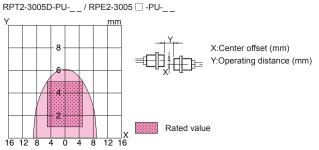
Material Housing:Fluorinated resin coated/Active face:Fluorinated resin

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)



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.

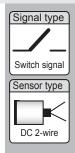
Surrounding metal



■ Parallel installation

, B →			-
ne Code	A(mm)	R(mm)	C(mm

RPT2-3005D-PU-		
IXI 12-3003D-I 0	20	200
RPE2-3005 -PU 30	20	300



Remote Sensor

DC 3-wire Detector type

DC 3-wire Terminal unit

DC 2-wire Detector type

DC 2-wire Terminal unit

detector type

type Posistance

thermometer type

Load cell type

Analog sensor type

Exclusive sensor

Terminal box Other unit

Wiring

Discontinued plans

Index

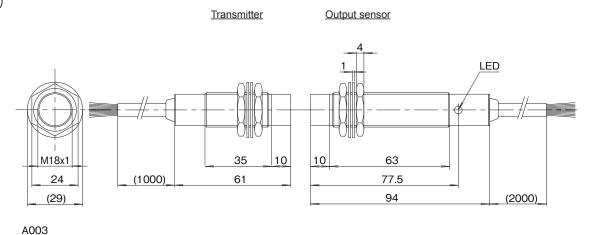
Remote Sensor System Switch Signal

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



for max. 4 sensors / Size: M18

distance 0.5...3mm



		Wiring	C008 / P.121
	Output sensor		
NPN	RPE4-1803N-PU-02		
DND	DDE4 4000D DU 00		

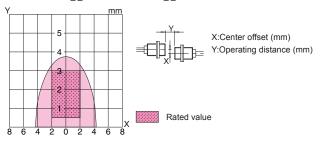
	Transmitter	Output sensor			
Type DC 2-wire	RPT4-1803D-PU-01	Type NPN		RPE4-1803N-PU-02	
Code		Code PNP		RPE4-1803P-PU-02	
Drive voltage	12V ± 1.5V DC	Supply voltage		24V DC ±5% (including ripple)	
Drive current	5mA per sensor	Current consump	tion	≦ 170mA	
No. of Input signals	4 signals	No. of Output sig	gnals	4 signals + 1 signal (Inzone)	
Operating distance	0.53mm	Load current		max.50mA per output	
Center offset	±2mm	Frequency of operation		30Hz	
Drive current	5mA	LED		Inzone	
Operating temperature	0+50°C	Operating temperature		0+50°C	
Protection class	IP67	Protection class		IP67	
Cable	PUR / φ 6.3 , 7x0.3mm ²	Cable		PUR / φ 6.3 , 7x0.3mm ²	
Material Housing	Nickel plated brass	Material Housing		Nickel plated brass	
Active face	Nylon 12	Active fac		Nylon 12	
Weight	Body 60 g + Cable60 g × 1 m	Weight		Body 80 g + Cable60 g × 2 m	
Anti-weld slag Type Code DC 2-wire	RPT4-TF1803D-PU-01	_		RPE4-TF1803N-PU-02 RPE4-TF1803P-PU-02	
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin	-	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

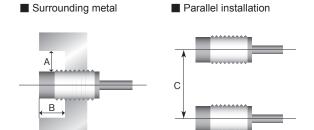
Please sure to use applicable detector switch according to the specification on left.

Typical Transmitting Diagram (Supply voltage at 24V / non-flush mount) RPT4-1803D-PU-_ _ / RPE4-1803 🗌 -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.



Type Code	A(mm)	B(mm)	C(mm)
RPT4-1803D-PU	18	18	110
RPE4-1803 -PU	10	10	110

for maz. 4 sensors / Size: M30

Transmitter

Power supply

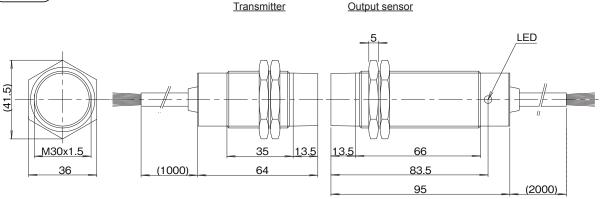
& PLC

Output

sensor



DC 2-wire



A004

Wiring C008 / P.121

Transmitter					
Type DC 2-wire		RPT4-3005D-PU-01			
Drive voltage		12V ± 1.5V DC			
Drive current		5 mA per sensor			
No. of Input sig	nals	4 signals			
Operating dista	nce	15mm			
Center offset		±6mm			
Drive current		5mA			
Operating tempe	rature	0+50°C			
Protection class	S	IP67			
Cable		PUR / ϕ 6.3 , 7x0.3mm ²			
Material Housing		Nickel plated brass			
Active face		Nylon 12			
Weight		Body 130 g + Cable60 g × 1 m			
Anti-weld slag Type Code	DC 2-wire	RPT4-TF3005D-PU-01			
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin			

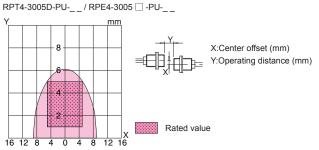
		Output sensor		
Type NPN		RPE4-3005N-PU-02		
Code PNP		RPE4-3005P-PU-02		
Supply voltage		24V DC ±5% (including ripple)		
Current consum		≦ 150mA		
No. of Output s	ignals	4 signals + 1 signal (Inzone)		
Load current		max.50mA per output		
Frequency of ope	eration	30Hz		
LED		Inzone		
Operating temper		0+50°C		
Cable	5	PUR / ϕ 6.3 , 7x0.3mm ²		
Material Housin	ıa	Nickel plated brass		
Active		Nylon 12		
Weight		Body 160 g + Cable60 g × 2 m		
Anti-weld slag	NPN	RPE4-TF3005N-PU-02		
ŭ	PNP	RPE4-TF3005P-PU-02		
Type Code				
	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)



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

В

c

■ Parallel installation

Type Code	A(mm)	B(mm)	C(mm)
RPT4-3005D-PU	40	32	200
RPE4-3005 🗌 -PU	40	32	300

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

type

Resistance hermometer type

Load cell type

Analog sensor type

Exclusive sensor

Other unit

Wiring

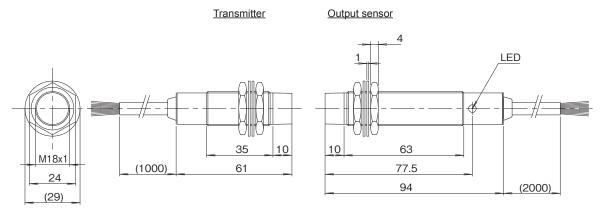
Discontinued plans

Inde



for max. 8 sensors / Size: M18

Operating distance 0.5...3mm



A014

Wiring C009 / P.122

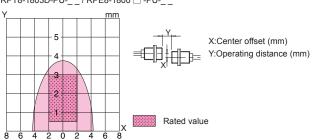
	Transmitter	Output sensor			
Type DC 2 wire	RPT8-1803D-PU-01	Type NPN		RPE8-1800N-PU-02	
Code DC 2-wife	RP16-1803D-PU-01	Code PNP		RPE8-1800P-PU-02	
Drive veltage	12V ± 1.5V DC	Cumply valtage		24V/DC (400/ /including ripple)	
Drive voltage	12V ± 1.5V DC	Supply voltage		24V DC ±10% (including ripple)	
Drive current	5 mA per sensor	Current consump	tion	≦ 400mA	
No. of Input signals	8 signals	No. of Output sig	ınals	8 signals + 1 signal (Inzone)	
Operating distance	0.53mm	Load current		max.50mA per output	
Center offset	±2.5mm	Frequency of opera	ation	60Hz	
Drive current	5mA	LED		Inzone	
0 " 1	0 5000	0 " 1		0 5000	
Operating temperature	0+50°C	Operating tempera	ature	0+50°C	
Protection class	IP67	Protection class		IP67	
Cable	PUR / φ 7.9 , 9x0.18mm ²	Cable		PUR / ϕ 7.7 , 2x0.5mm ² +9x0.18mm ²	
Material Housing	Nickel plated brass	Material Housing		Nickel plated brass	
Active face	Nylon 12	Active face		Nylon 12	
Weight	Body 60 g + Cable75 g × 1 m	Weight		Body 90 g + Cable75 g × 2 m	
A (' 11 1		A () 11 1			
Anti-weld slag	RPT8-TF1803D-PU-01		-	RPE8-TF1800N-PU-02	
Type Code wire		Type Code		RPE8-TF1800P-PU-02	
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin	Ī	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

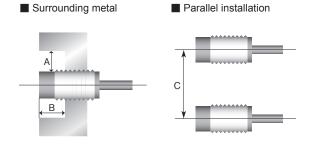
Please sure to use applicable detector switch according to the specification on left.

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



Type Code	A(mm)	B(mm)	C(mm)
RPT8-1803D-PU	10	18	110
RPE8-1800 □ -PU	18	10	110





Transmitter

Output

sensor

Power supply

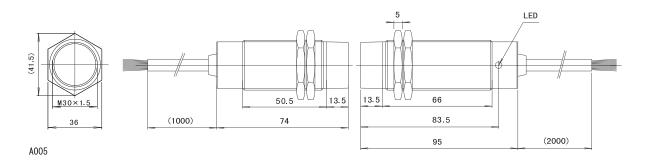
& PLC



DC 2-wire

<u>Transmitter</u>

Output sensor



RPT8-3007D is - common.

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

Wiring C010 / P.122

Transmitter					
Type DC 2	-wire	RPT8-3007D-PU-01			
Drive voltage		22V +4 -2V DC			
Drive current		5 mA per sensor			
No. of Input sign	nals	8 signals			
Operating distar	nce	27mm			
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 + Cable75 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 NPN		RPE8-3000N-PU-02		
Code PNP		RPE8-3000P-PU-02		
Supply voltage	!	24V DC ±10% (including ripple)		
Current consum	ption	≦ 400mA		
No. of Output s	ignals	8 signals + 1 signal (Inzone)		
Load current		max.50mA per output		
Frequency of ope	eration	60Hz		
LED		Inzone		
0		0		
Operating temperature				
Protection clas	S	IP67		
Cable		PUR / φ 7.7 , 2x0.5mm ² +9x0.18mm ²		
Material Housin	ng	Nickel plated brass		
Active face		Nylon 12		
Weight		Body 190 g + Cable75 g × 2 m		
Anti-malalata	NDV	DDEC TECCOON DU CO		
Anti-weld slag	NPN	RPE8-TF3000N-PU-02		
Type Code	PNP	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

RPT8-3007D-PU-_ _ / RPE8-3000 🗆 -PU-_ _

6

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

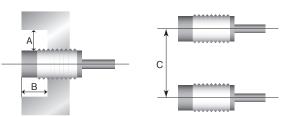
X:Center offset (mm)

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)
RPT8-3007D-PU	20	20	200
RPF8-3000 -PU-	30	20	200

Signal type
Switch signal
Sensor type

Remote Sensor

DC 2-wire

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 nermometer type

oad cell type

Analog sensor type

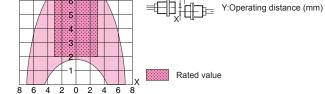
Exclusive sensor

Other unit

Wiring

Discontinued plans

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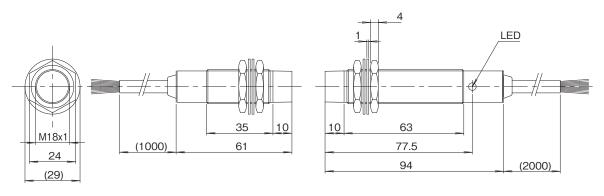
Typical Transmitting Diagram (Supply voltage at 24V / non-flush mount)

for max. 8 sensors / Size: M18

Operating distance 0.5...3mm

Transmitter

Output sensor



A014

Wiring C009 / P.122

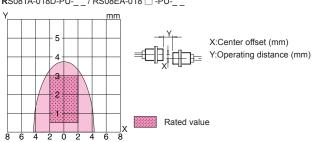
	Transmitter	Output sensor			
Type DC 2 wire	K3081A-0180-PU-01	Type NPN	RS08EA-018N-PU-02		
Code DC 2-wire		Code PNP	RS08EA-018P-PU-02		
Drive voltage	12V ± 1.5V DC	Supply voltage	24V DC ±10% (including ripple)		
Drive current	5 mA per sensor	Current consumption	≦ 150mA		
No. of Input signals	8 signals	No. of Output signals	8 signals + 1 signal (Inzone)		
Operating distance	0.53mm	Load current	max.50mA per output		
Center offset	±2.5mm	Frequency of operation	60Hz		
Drive current	5mA	LED	Inzone		
Operating temperature	0+80°C	Operating temperature	0+80°C		
Protection class	IP67	Protection class	IP67		
Cable	PUR / φ 7.9 , 9x0.18mm ²	Cable	PUR / φ 7.7 , 2x0.5mm ² +9x0.18mm ²		
Material Housing	Nickel plated brass	Material Housing	Nickel plated brass		
Active face	Nylon 12	Active face	Nylon 12		
Weight	Body 65 g + Cable75 g × 1 m	Weight	Body 95 g + Cable75 g × 2 m		

Applicable sensor

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

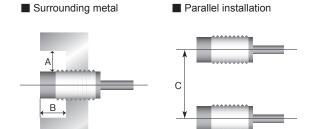
Please sure to use applicable detector switch according to the specification on left.

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.



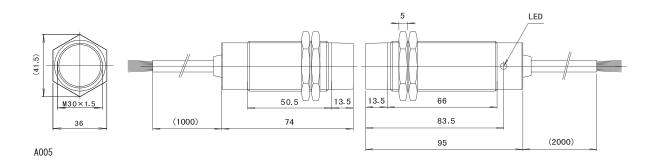
Type Code	A(mm)	B(mm)	C(mm)
RS08TA-018D-PU	18	10	110
RS08EA-018 🗆 -PU	10	18	110

for maz. 8 sensors / Size: M30



<u>Transmitter</u>

Output sensor



Wiring C009 / P.122

	Transmitter		
Type DC 2-wire	RS08TA-030D-PU-01		
Drive voltage	12V ± 1.5V DC		
Drive current	5 mA per sensor		
No. of Input signals	8 signals		
Operating distance	27mm		
Center offset	±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 + Cable75 g × 1 m		

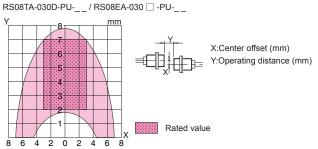
	Output sensor		
Type NPN	RS08EA-030N-PU-02		
Code PNP	RS08EA-030P-PU-02		
Supply voltage	24V DC ±10% (including ripple)		
Current consumption	≦ 150mA		
No. of Output signals	8 signals + 1 signal (Inzone)		
Load current	max.50mA per output		
Frequency of operation	60Hz		
LED	Inzone		
Operating temperature	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 160 g + Cable75 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)

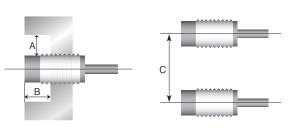


Installation notes

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	30	20	200





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

Inde

Remote Sensor System Switch Signal

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

Transmitter



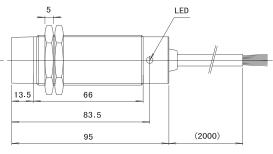
for maz. 15 sensors / Size: M30

Operating distance 1...5mm

A005

50.5 13.5 M30×1.5 (1000) 74

Output sensor



Wiring C011 / P.123

		Transmitter				Output sens
Type DC 2 wire				NPN		RPE15-3000N-PU
Code	2-wire	RPT15-3005D-PU-01	Code	PNP		RPE15-3000P-PU-
Drive voltage		12V ± 1.5V DC	Supply	voltane		24V DC +10 -20%(
Drive current		5 mA per sensor	Supply voltage Current consumption			≤ 500mA
No. of Input s	ignals	15 signals	No. of C		•	15 signals + 1 signal
Operating dist	tance	15mm	Load cu	urrent		max.50mA per outpu
Center offset		±2.5mm	Frequency of operation		eration	20Hz
Drive current		5mA	LED	LED		Inzone
Operating temp	erature	0+50°C	Operatir	ng tempe	erature	0+50°C
Protection cla	SS	IP67	Protect	ion clas	s	IP67
Cable		PUR / φ 8.6 , 2x0.5mm ² +16x0.18mm ²	Cable	PUR / φ 8.6 , 2		PUR / φ 8.6 , 2x0.5n
Material Housing		Nickel plated brass	Material Housing		ng	Nickel plated brass
Active	e face	Nylon 12		Active	face	Nylon 12
Weight		Body 170 g + Cable105 g × 1 m	Weight			Body 200 g + Cable
Anti-weld slag	DC2-	PRT45 TE2005D DII 04	Anti-wel	_	NPN	RPE15-TF3000N-F
Type Code	wire	RPT15-TF3005D-PU-01	Type C	ode	PNP	RPE15-TF3000P-F
	Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin			Material	Housing:Fluorinated resi

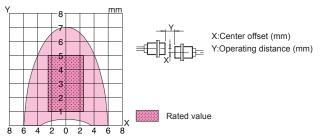
Output sensor				
	RPE15-3000N-PU-02			
	RPE15-3000P-PU-02			
	24V DC +10 -20% (including ripple)			
tion	≦ 500mA			
ınals	15 signals + 1 signal (Inzone)			
	max.50mA per output			
ation	20Hz			
	Inzone			
ature	0+50°C			
	IP67			
	PUR / ϕ 8.6 , 2x0.5mm ² +16x0.18mm ²			
1	Nickel plated brass			
ace	Nylon 12			
	Body 200 g + Cable105 g × 2 m			
NPN	RPE15-TF3000N-PU-02			
PNP	RPE15-TF3000P-PU-02			
Material	Housing:Fluorinated resin coated/Active face:Fluorinated resin			
	nals ation lation latio			

Applicable sensor

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

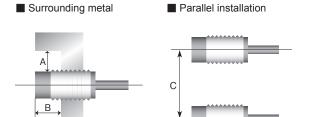
Please sure to use applicable detector switch according to the specification on left.

Typical Transmitting Diagram (Supply voltage at 24V / non-flush mount) RPT15-3005D-PU-_ _ / RPE15-3000 🗌 -PU-_ _



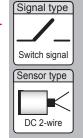
Installation notes

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.



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

Resistance thermometer type

l oad cell type

Analog sensor type

xclusive sensor

Other unit

Wiring

Discontinued plans

Inde