

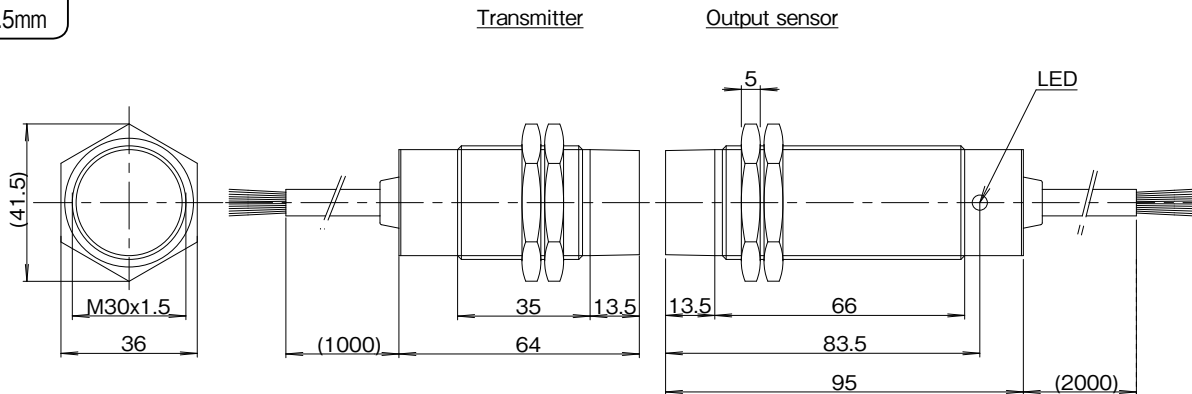
RPTA-18  
RPEA-18

RPTA-30  
RPEA-30

4  
signal

for max. 4 sensors / Size : M30

Operating distance  
1...5mm

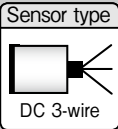
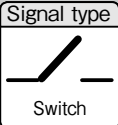


A004

Wiring C002/P.114

Type Code		Transmitter	
NPN	RPTA-3005-PU-01	PNP	RPTA-3005-PU-01
Drive voltage		12V ± 1.5V DC	
Drive current		max.40mA	
No. of input signal		4	
Operating distance		1...5mm	1...5mm
Center offset		± 6mm	± 3mm
Drive current		≤ 30mA	≤ 40mA
Operating temperature		0...+50°C	
Protection class		IP67	
Cable		PUR / Ø6.3 , 7x0.3mm <sup>2</sup>	
Material Housing		Nickel plated brass	
Active face		Nylon 12	
Weight		Body 130g + Cable60g × 1m	
Type Code		Anti-weld slag	
NPN	RPTA-TF3005-PU-01	PNP	RPTA-TF3005-PU-01
Material		Housing:Fluorinated resin coated/Active face:Fluorinated resin	

Type Code		Output sensor	
NPN	RPEA-3005N-PU-02	PNP	RPEA-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 <sup>2</sup>	
Material Housing		Nickel plated brass	
Active face		Nylon 12	
Weight		Body 160g + Cable60g × 2m	
Type Code		Anti-weld slag	
NPN	RPEA-TF3005N-PU-02	PNP	RPEA-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

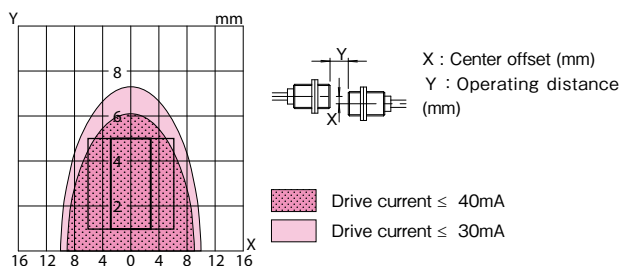
Supply voltage	12V DC
Total current consumption*	≤ 40mA
Residual voltage	≤ 3.5V
Load current	---

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

\*Total current consumption of all connected sensor.

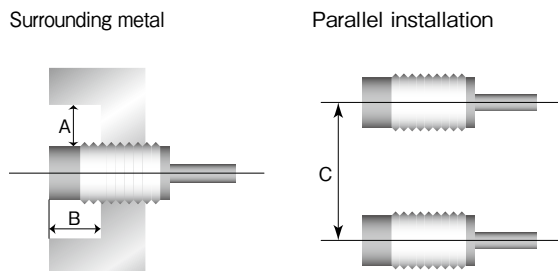
### Typical Transmitting Diagram (Supply voltage at 24V/non-flush mount)

RPTA-3005-PU-\_\_ / RPEA-3005 □ -PU-\_\_



### 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)
RPTA-3005-PU-__	40	32	300
RPEA-3005 □ -PU-__			