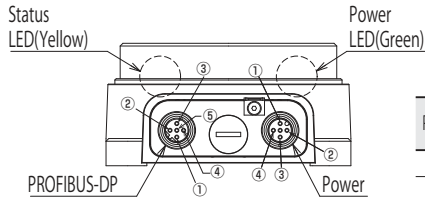
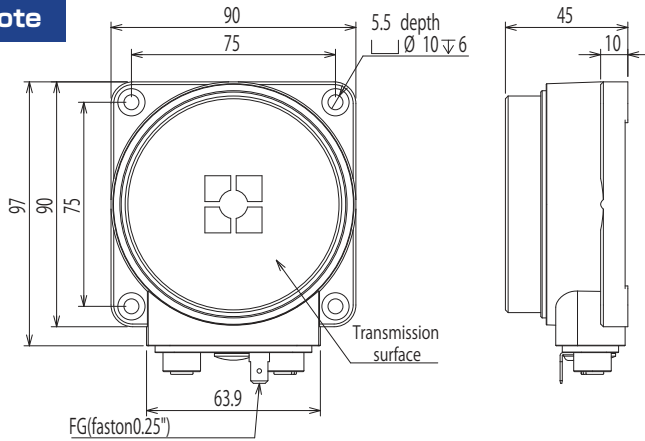


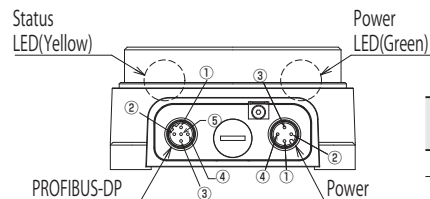
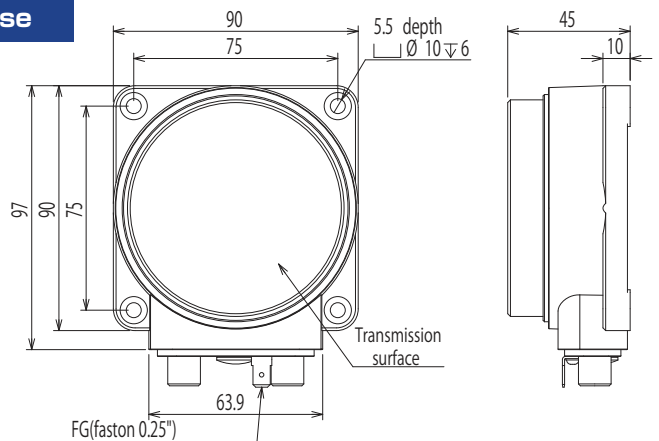
## Remote



Pin	Signal (5pin)	Power (4pin)
1	unused	+24V
2	Rx/Tx A	unused
3	unused	0V
4	Rx/Tx B	unused
5	unused	-

Please do not connect anything to an unused pin.

## Base



Pin	Signal (5pin)	Power (4pin)
1	unused	+24V
2	Rx/Tx A	unused
3	unused	0V
4	Rx/Tx B	unused
5	unused	-

Please do not connect anything to an unused pin.

Type code	<b>RCD44T-211-PBC</b>	
Drive voltage	24V ± 1.5V DC	
Drive current	≤ 2A	
Operating distance	3...5mm	
Center offset	± 4mm	
Operating temperature	0...+50°C	
Storage temperature	-25...+70°C	
Operating humidity	35...90%RH	
Storage humidity	35...90%RH	
Protection class	IP 67	
For connection Connector	Signal	M12 / 5 pin female B
	Power	M12 / 4 pin female A
Material	Housing	Aluminum + alumite processing (metal part)
	Active face	PA12 (Resin)
included	Ferrite core clamp (Gray x 2 · White x 1)	
Remark	Terminating resistor built-in specification	

- A remote part, a base part have terminal resistance both built-in.
- The transmission speed is 1.5Mbps
- Please set the cable head considering the total extension of the entire network.
- Please prepare your cable and connectors.
- Please ground with a tab terminal (FG) and screw for case installation.

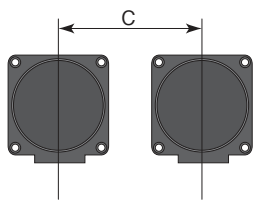
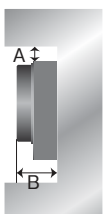
Type code	<b>RCD44E-211-PBC</b>	
Power supply	24V DC ± 5%(incl.ripple)	
Current consumption	≤ 3A	
Signal transmission	PROFIBUS-DP	
Transmission speed	1.5M bps	
Start-up time	≤ 2sec* <sup>1</sup>	
Data delay time	3Tbit	
Delat time jitter	Max. 1/4bit	
Operating temperature	0...+50°C	
Storage temperature	-25...+70°C	
Operating humidity	35...90%RH	
Storage humidity	35...90%RH	
Protection class	IP 67	
Use con- nector	Signal	M12 / 5 pin male B
	Power	M12 / 4 pin male A
Material	Housing	Aluminum + alumite processing (metal part)
	Active face	PA12 (Resin)
included	Ferrite core clamp (Gray x 2 · White x 1)	
Remark	Terminating resistor built-in specification	

\*1 It is the start up time of Remote system.  
The start up time of PROFIBUS-DP changes depending on the system.

## Setting condition (the RCD series is common)

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 Setting



Type code	A	B	C
RCD22T-211-CLC RCD33T-211-DNC RCD44T-211-PBC	50	45	300
RCD22E-211-CLC RCD33E-211-DNC RCD44E-211-PBC			

Unit :mm

- It is recommended to install to metal in order to reduce the influence of self-heating.
- In case and when transmission aspect materials are resin (product of ABS or ABS+PBT) please avoid the liquid including organic solvent to spread out.
- Please set up the output part not facing with the metal constantly. Metal overheat and an internal element can possibly be damaged.
- Product may be damaged when it is out of specification in a distance / axis gap / overload state, for a long time.