

# Wireless Power Supply CC-Link Signal Transmission

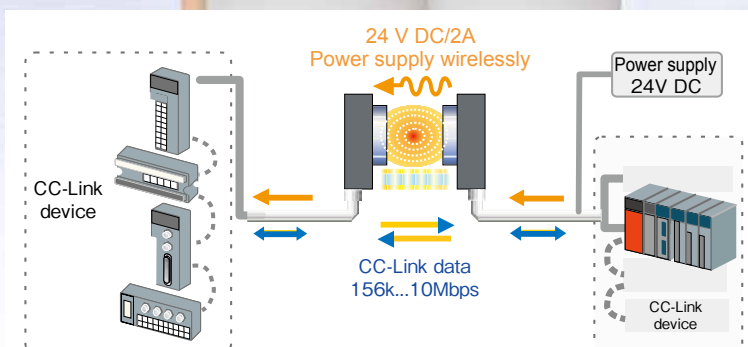


Rotatable  
on an axis

Boud rate  
max.10M bps

Downsized  
60 %  
(Comparison with  
the former product.)

■□■ Movable CC-Link network is realized ■□■

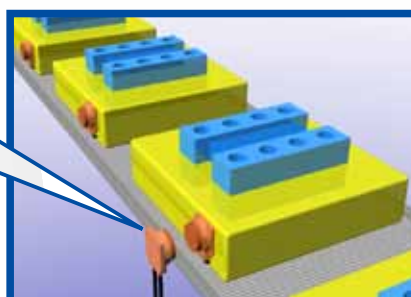


**CC-Link**

Wireless power supply and CC-Link data communication are possible by one unit of Remote coupler system/ CC-Link RCD22.

RCD22 makes it possible to mount CC-Link devices on a rotating or moving equipment.

■□■ Remote system expands possibility of Kaizen ! ■□■

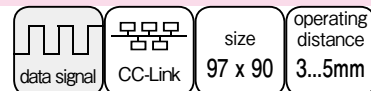


## At the transfer line

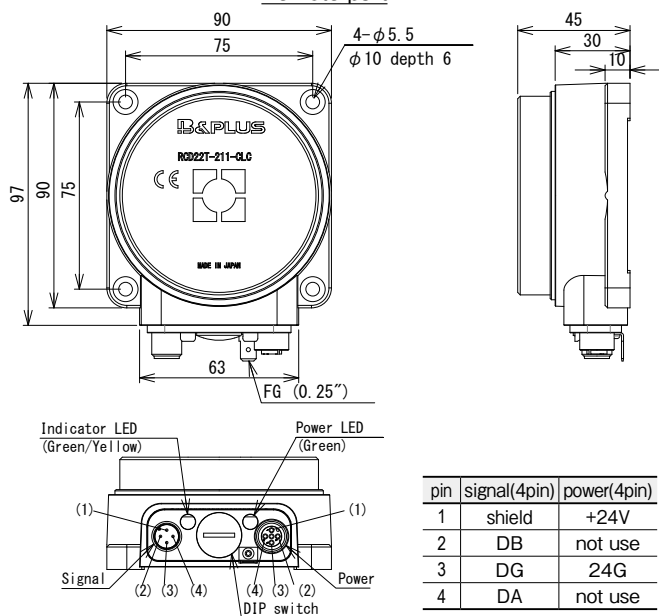
CC-Link communication is performed at the same time supplying a power to the pallet!



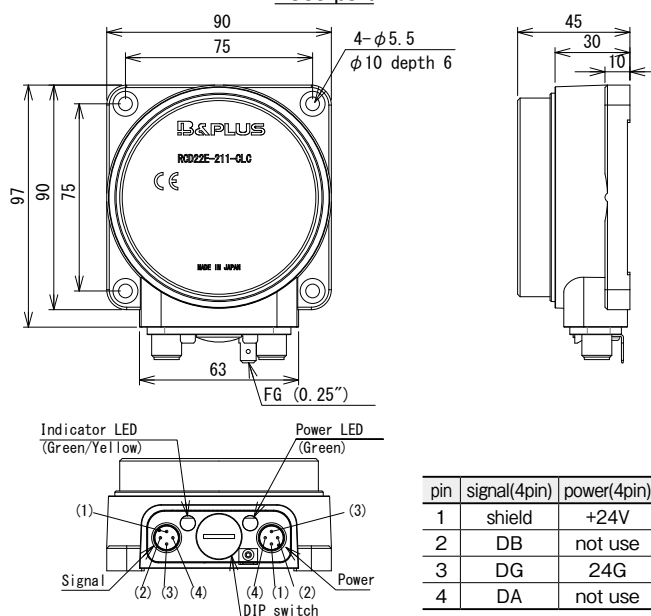
- Wiring-saving and work-saving  
- Connector-free and automation come true.  
- Work man-hours decrease



Remote part



Base part



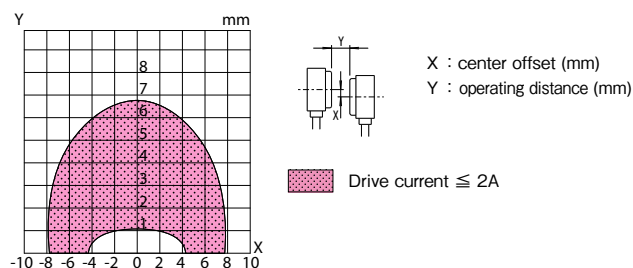
Type code	RCD22T-211-CLC
Drive voltage	24 V $\pm$ 1.5 V DC
Drive current	$\leq$ 2A
Operating distance	3...5 mm
center offset	$\pm$ 4 mm
Operating temperature	0...+50 deg. C.
Protection class	IP 67
Connector	size M12 / signal: 4 pole (male), power: 4 pole (female)
Material Housing	Aluminum anodized
Active surface	ABS + PBT
Weight	800 g
Included items	Ferrite core clamp (Gray x2, white x1)

Type code	RCD22E-211-CLC
Operating voltage	24 V DC $\pm$ 5 % (include ripple)
Current consumption	$\leq$ 3 A
Communication	CC-Link データ信号
Baud rate	156K...10M bps (set by DIP switch)
Start-up	$\leq$ 2 sec.*
Operating temperature	0...+50 deg. C.
Protection class	IP 67
Connector	size M12 / signal : 4 pole (male), power : 4 pole (male)
Material Housing	Aluminum anodized
Active surface	ABS + PBT
Weight	800 g
Included items	Ferrite core clamp (Gray x2, white x1)

\* The boot-time of RCD22. The start-up time of CC-Link varies with the system.

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

RCD22T-211-CLC / RCD22E-211-CLC



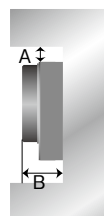
### Notes

- It is recommended to install RCD in metal in order to reduce the influence of self-heating.
- Be sure to connect a terminator between DA and DB on both ends on the CC-Link.
- The cable length must be decided considering the total length of the entire network.
- Connectors and cables are not included.
- Ground RCD22 with FG tab and fixing screws.

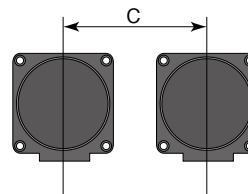
### Installation

In order to avoid influence of surrounding metal and mutual interference, keep the minimum distance as described below.

Surrounding Metal



Mutual interference



Type code	A(mm)	B(mm)	C(mm)
RCD22T-211-CLC	50	45	300
RCD22E-211-CLC			

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\*Specification is subject to change without notice.

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