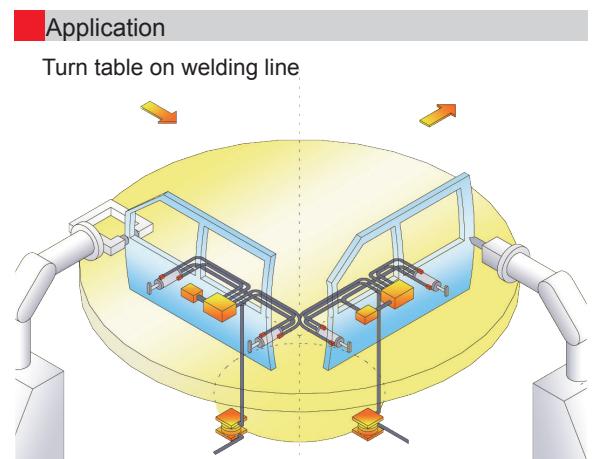
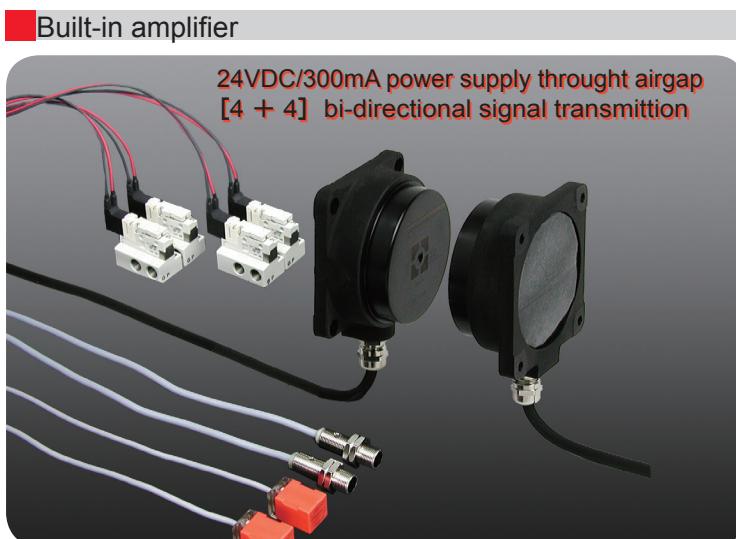
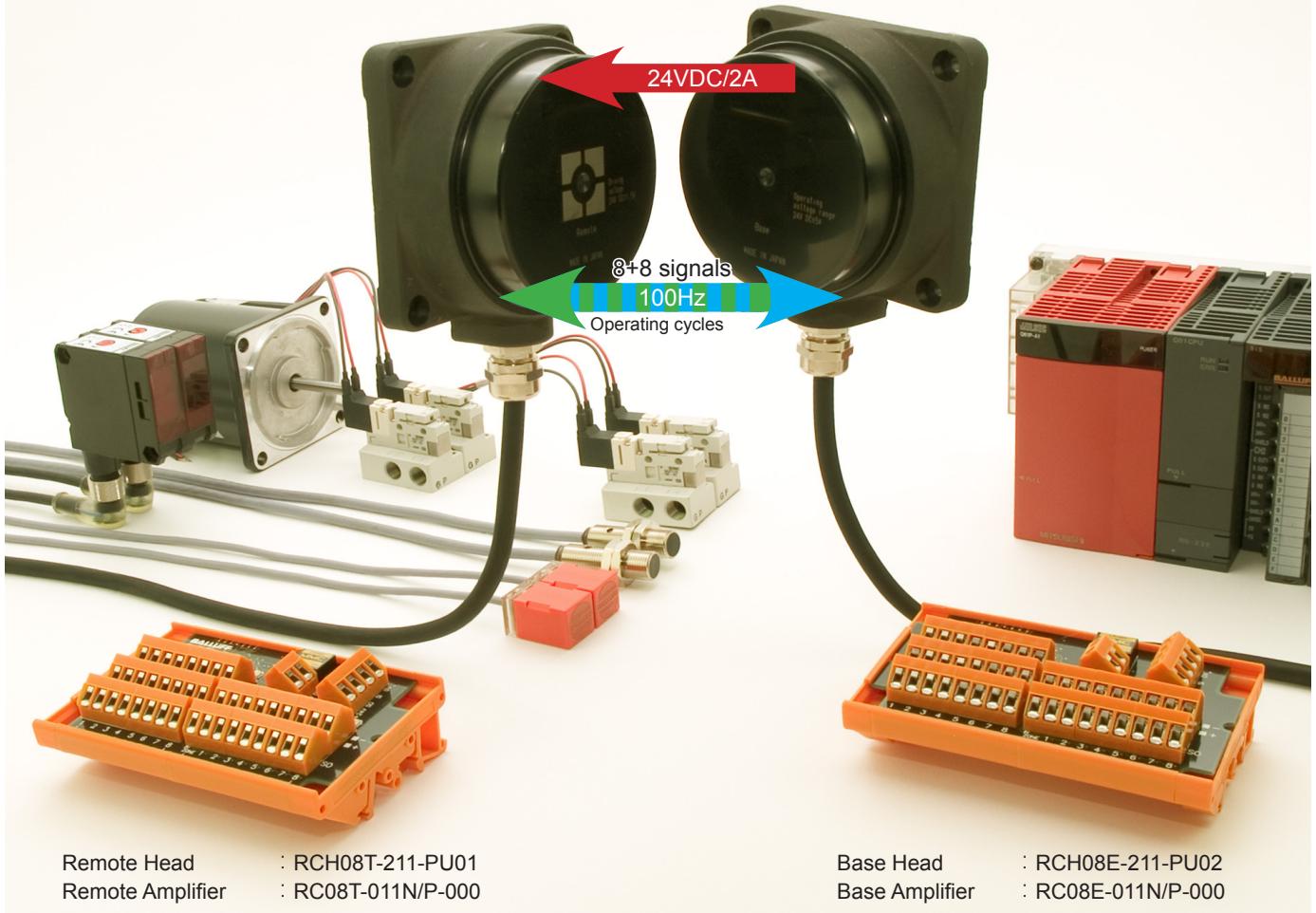




**B&PLUS**

— *Remote* —  
**Remote coupler system**  
 Switch signal type

**24VDC/2A power supply through airgap!  
 8/input + 8/output bi-directional signal transmittion!**



## Remote coupler system Switch signal type

External amplifier  
8 detection signals + 8 control signals

### External amplifier

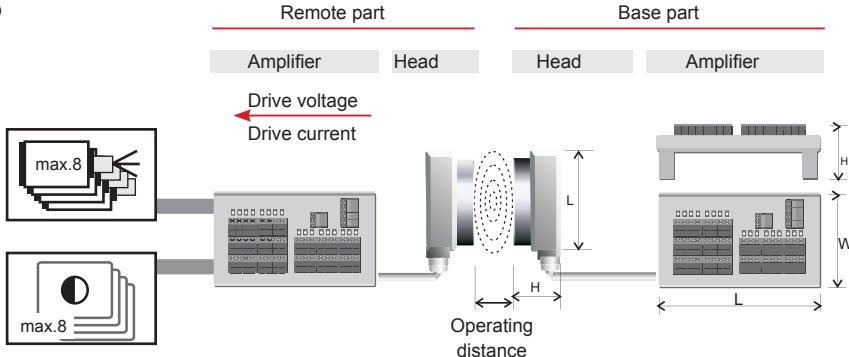
■ 24VDC/2A power supply of through airgap

■ Frequency of operating cycles 100Hz

■ Connecting devices

Detection switch x max.8

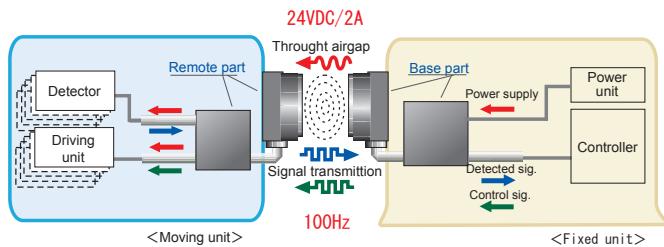
Driving unit x max.8



Type number	Remote part	Head			Amplifier
		NPN	PNP		
Base part	NPN Output	RCH08E-211-PU-02		RC08T-011N-000	
	PNP Output	RC08T-011P-000		RC08E-011N-000	
Rated operating distance		3...9mm		---	
Drive voltage		24V ± 1.5V DC		---	
Drive current		max.2A		---	
Center offset and Drive current in Operating distance					
Specification(Base)	Output type	Operating distance	Center offset	Drive current	
	Supply voltage	4...9mm	±5mm	≤ 1A	
Specification (Base and Remote)	Load current	6...8mm	±3mm	≤ 2A	
	Current consumption				NPN or PNP
	Frequency of operating cycles				24V DC ± 5%
	LED indication				max.300mA / 1 output
	Size				≤ 150mA
Material	Housing	L90xH45xW90			100Hz
	Active surface	Aluminum+Alumite treatment(Metal)			Inzone / Power supply
Operating temperature range		ABS+PBT(Resin)			L110xH40xW70
		0...+50deg.C.			Nylon
		IP67			---
Protection class					
Mounting					
M5x4 / 75x75					
DIN32/35mm rail					

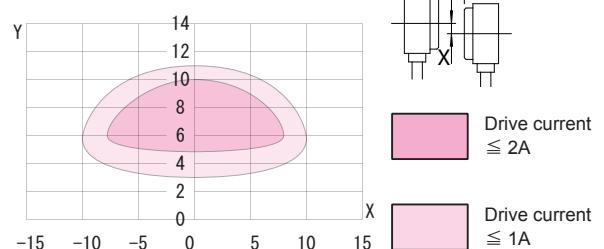
■ Capacity of power supply and response speed are improved various driving units and applications are selectable

### System configurations



### Transmitting diagram(Supply voltage at 24V/non-flush mounted)

RCH08T-211-PU-01  
RCH08E-211-PU-02



Built-in amplifier  
4 detection signals + 4 control signals

## Built-in amplifier

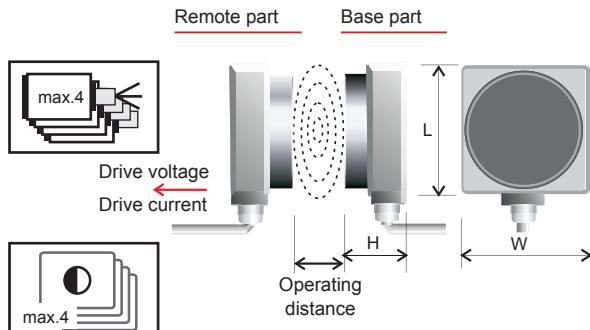
■ 24VDC/300mA power supply of through airgap

■ Frequency of operating cycles 40Hz

■ Connecting devices

Detection switch x max.4

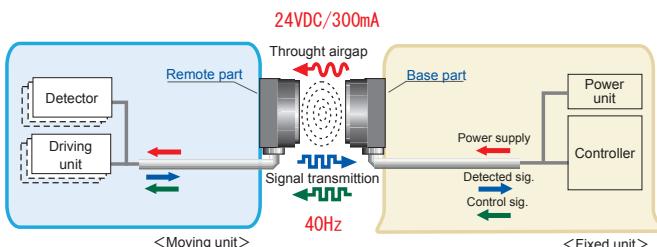
Driving unit x max.4



Type number	Remote part	NPN	RHPT8-8010N-C3-PU-01	
		PNP	RHPT8-8010P-C3-PU-01	
	Base part	NPN Output	RHPE8-8010N-C3-PU-02	
		PNP Output	RHPE8-8010P-C3-PU-02	
Rated operating distance		3...10mm		
Drive voltage		24V ± 1.5V DC		
Drive current		max.300mA		
Center offset and Drive current in Operating distance	Operating distance	Center offset	Drive current	
	3...10mm	±7mm	≤ 300mA	
Specification(Base)	Output type	NPN or PNP		
	Supply voltage	24V DC +10%、 -20%		
	Load current	max.50mA/1 output		
	Current consumption	≤ 1.5A		
	Frequency of operating cycles	40Hz		
	LED indication	M5x4 / 75x75		
Specification (Base and Remote)	Size	L90xH45xW90		
	Material	Housing Aluminum+Alumite treatment(Metal)		
		Active surface ABS+PBT(Resin)		
	Operating temperature range	0...+50deg.c		
	Protection class	IP67		
	Mounting	M5x4 / 75x75		

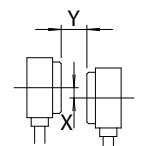
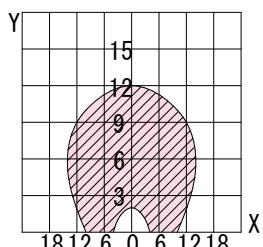
■ Easy to use because of Built-in amplifier

## System configurations



## Transmitting diagram(Supply voltage at 24V/non-flush mounted)

RHPT8-8010N/P-C3-PU-01  
RHPE8-8010N/P-C3-PU-02



Drive current  
≤ 300mA

# Remote coupler system

## Specification

### Dimension

RCH08T-211-PU-\_\_

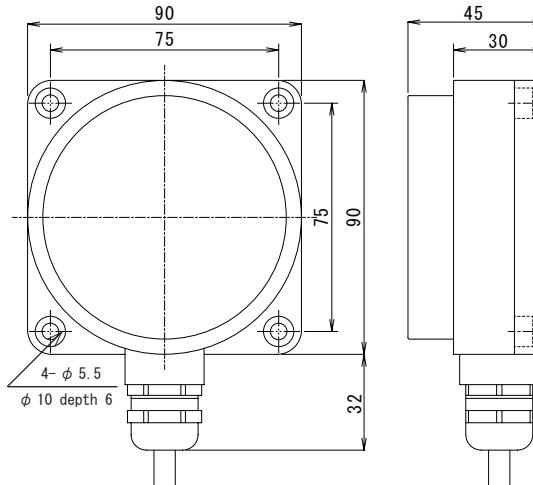
RCH08E-211-PU-\_\_

RHPT8-8010N/P-C3-PU-\_\_

RHPE8-8010N/P-C3-PU-\_\_

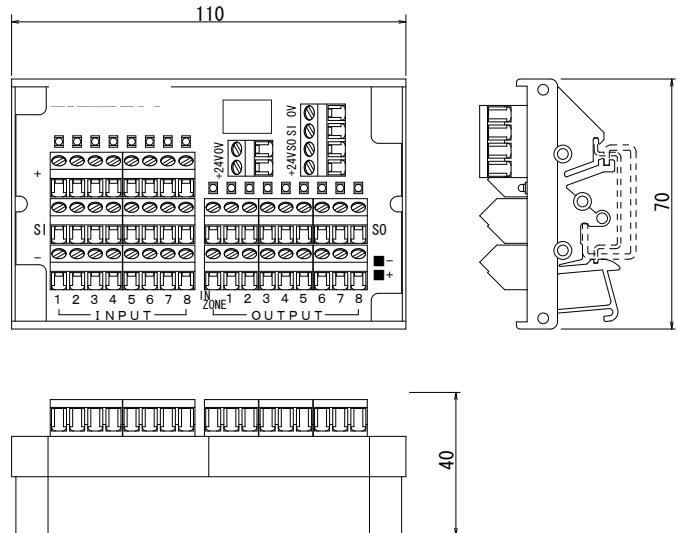
RC08T-011N/P-000

RC08E-011N/P-000



Cable(mm)/Material

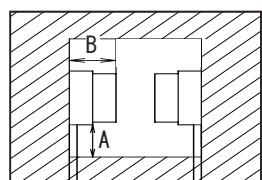
RCH08T / RCH08E	φ7.6 4x0.75mm <sup>2</sup> +Shield/PUR
RHPT8 / RHPE8	φ7.7 2x0.5+9x0.16mm <sup>2</sup> +Shield/PUR



### Notes for installation

#### Installation in metal

When the Heads are mounted in metal, keep minimum spacing as described below in order to avoid influence of surrounding metal.

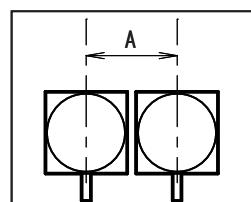


型式	A	B
RCH08T-...	50	45
RCH08E-...		
RHPT8-...		
RHPE8-...		

(mm)

#### Mutual intererance of the Head

In order to prevent mutual interference between parallel-mounted sensors, keep minimum spacing as described below.



型式	A
RCH08T-...	300
RCH08E-...	
RHPT8-...	
RHPE8-...	

(mm)

Wireless Power Supply by  
**B & PLUS K.K.**

Mail : b-plus-usa@b-plus-kk.com

Web : <http://www.b-plus-kk.com>

\* Contents is subject to change without notice.

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