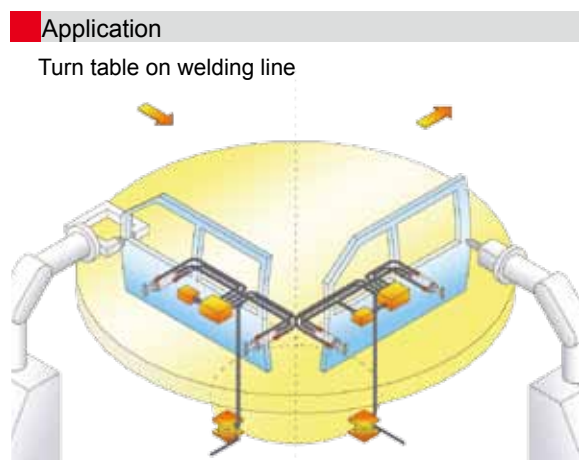
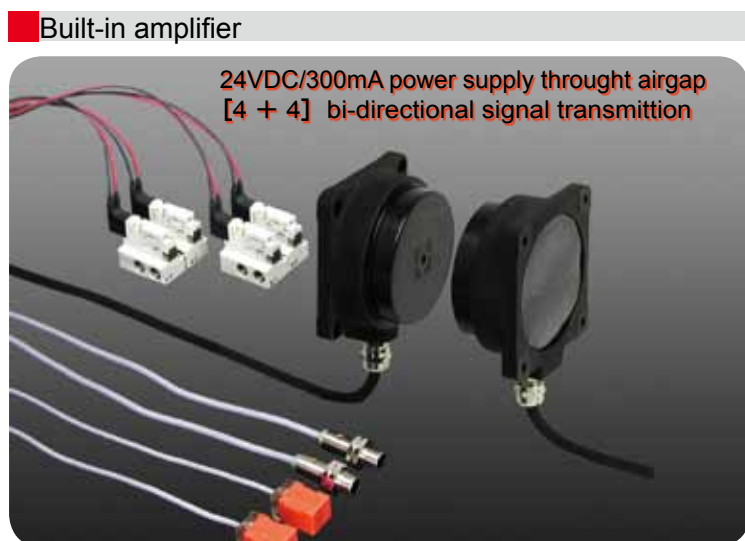
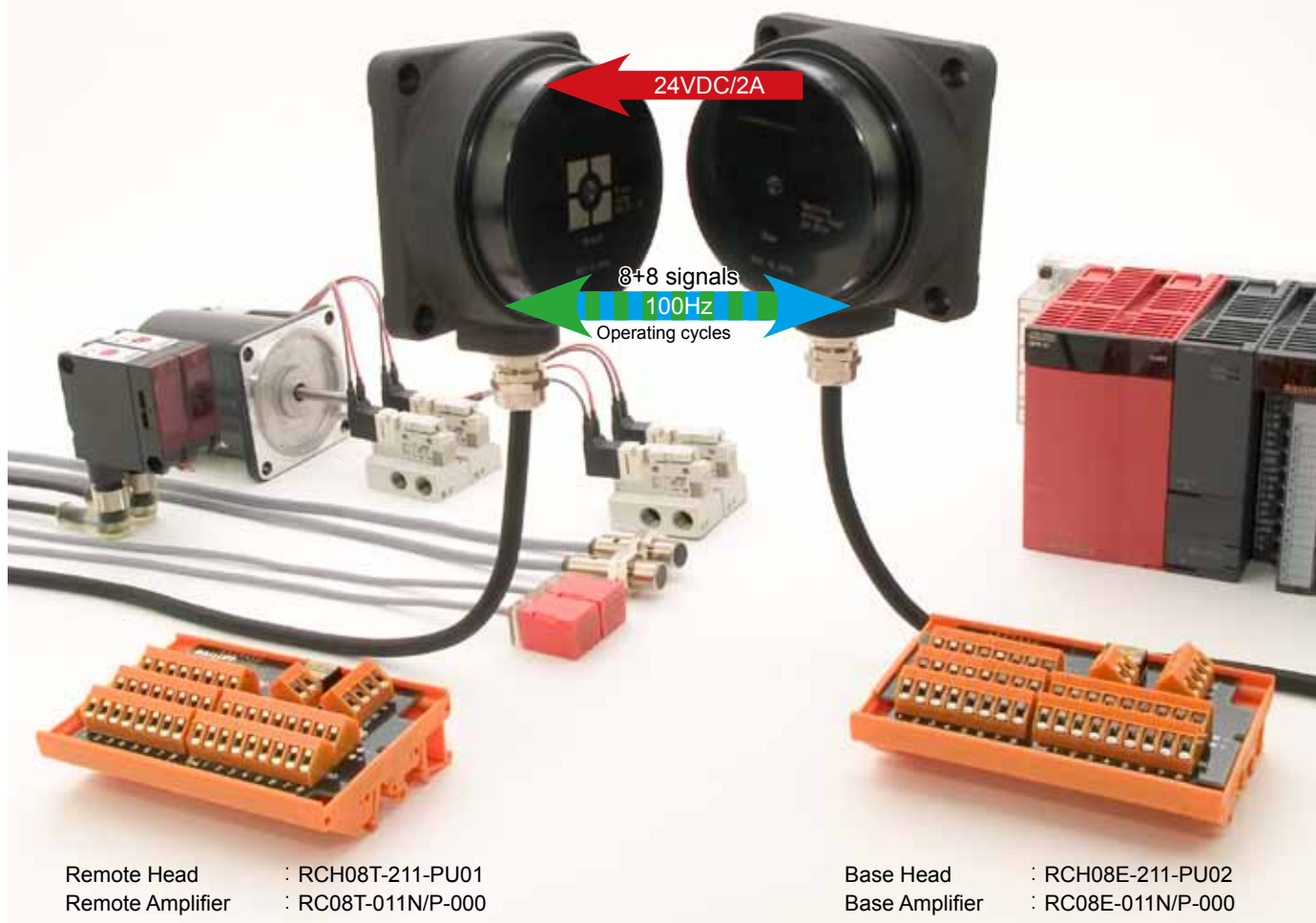


24VDC/2A power supply through airgap!
8/input + 8/output bi-directional signal transmission!

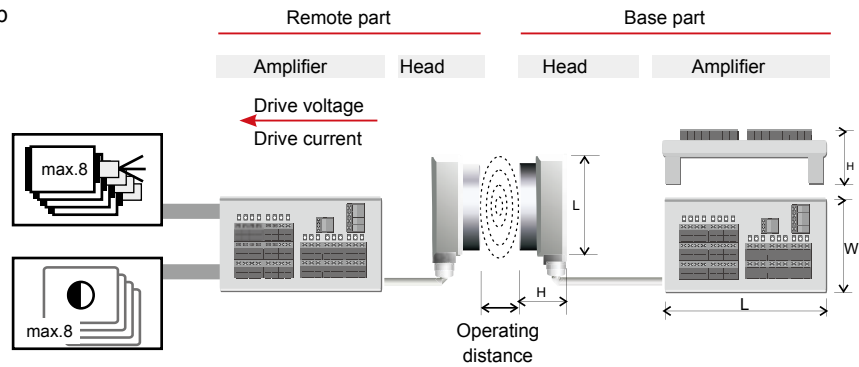


Remote coupler system Switch signal type

External amplifier
8 detection signals + 8 control signals

External amplifier

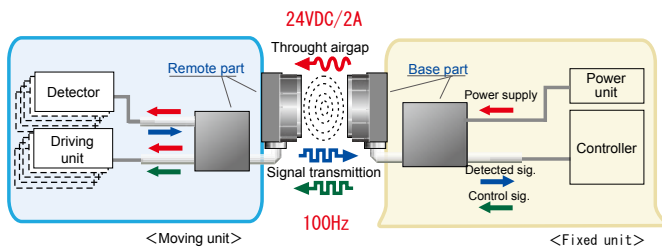
- 24VDC/2A power supply of through airgap
- Frequency of operating cycles 100Hz
- Connecting devices
 - Detection switch x max.8
 - Driving unit x max.8



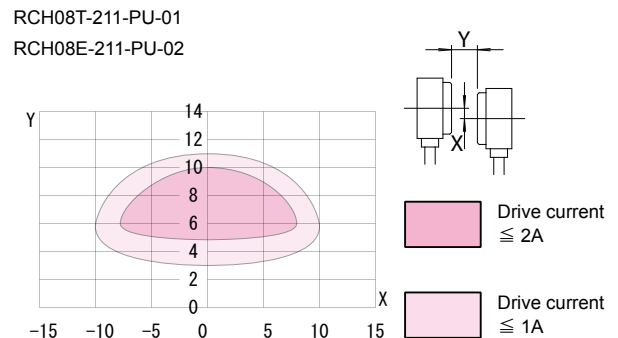
Type number			Remote part	NPN	Head			Amplifier			
				PNP	RCH08T-211-PU-01			RC08T-011N-000			
			Base part	NPN	Output	RCH08E-211-PU-02			RC08T-011P-000		
				PNP	Output				RC08E-011N-000		
									RC08E-011P-000		
Rated operating distance						3...9mm			---		
Drive voltage						24V ± 1.5V DC			---		
Drive current						max.2A			---		
Center offset and Drive current in Operating distance						Operating distance	Center offset	Drive current			
						4...9mm	±5mm	≤ 1A			
						6...8mm	±3mm	≤ 2A			
Specification(Base)						---			NPN or PNP		
						24V DC ± 5%			24V DC ± 5%		
						---			max.300mA / 1 output		
						≤ 4A			≤ 150mA		
						---			100Hz		
						---			Inzone / Power supply		
Specification		Size				L90xH45xW90			L 110xH40xW70		
(Base and Remote)		Material		Housing		Aluminum+Alumite treatmant(Metal)			Nylon		
				Active surface		ABS+PBT(Resin)			---		
		Operating temperature range				0...+50deg.C.			0...+50℃		
		Protection class				IP67			---		
Mounting						M5x4 / 75x75			DIN32/35mm rail		

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

System configurations



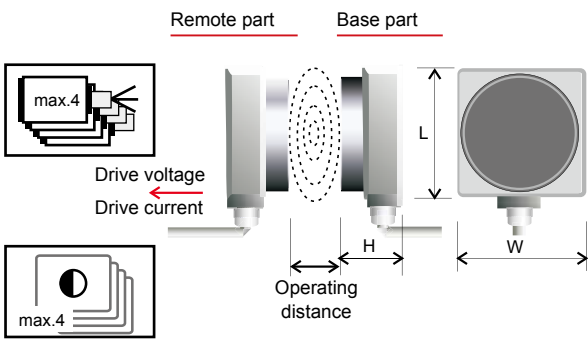
Transmitting diagram(Supply voltage at 24V/non-flush mounted)



Built-in amplifier
4 detection signals + 4 control signals

Built-in amplifier

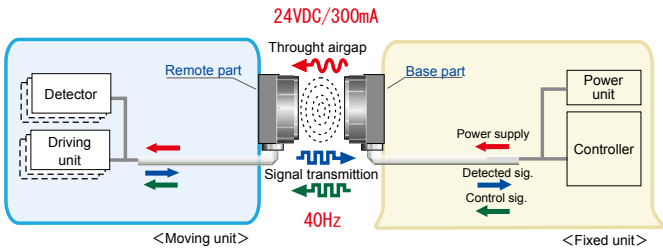
- 24VDC/300mA power supply of through airgap
- Frequency of operating cycles 40Hz
- Connecting devices
 - Detection switch x max.4
 - Driving unit x max.4



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

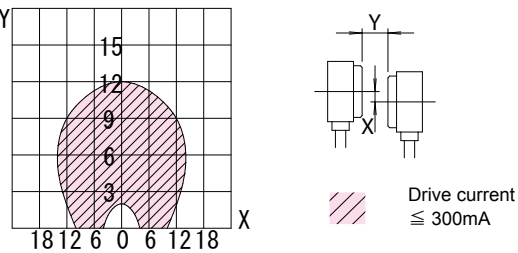
- Easy to use because of Built-in amplifier

System configurations



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

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

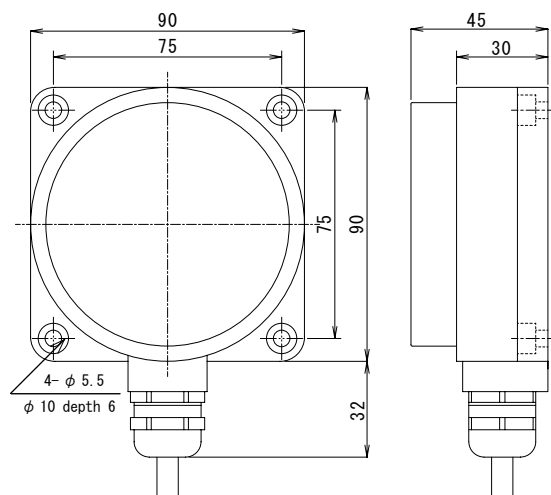


Remote coupler system Specification

Dimension

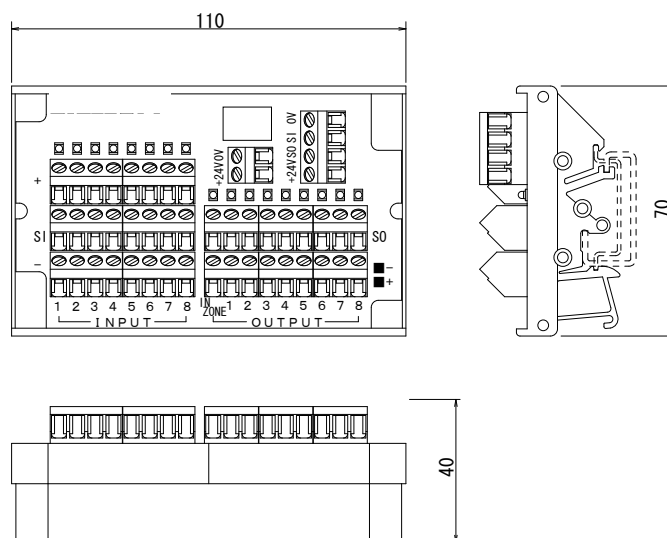
RCH08T-211-PU-__
RCH08E-211-PU-__
RHPT8-8010N/P-C3-PU-__
RHPE8-8010N/P-C3-PU-__

RC08T-011N/P-000
RC08E-011N/P-000



Cable(mm)/Material

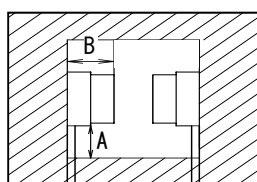
RCH08T / RCH08E	φ7.6 4x0.75mm ² +Shield/PUR
RHPT8 / RHPE8	φ7.7 2x0.5+9x0.16mm ² +Shield/PUR



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.

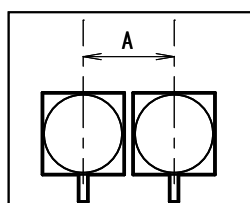


型式	A	B
RCH08T-...	50	45
RCH08E-...		
RHPT8-...		
RHPE8-...		

(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)

B & PLUS K.K.

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*Specification is subject to change without notice.