Transmits the wireless power supply and the signal at the same time!
Remote System

Wireless power supply 24V DC / 2A
& CC-Link signal transmission

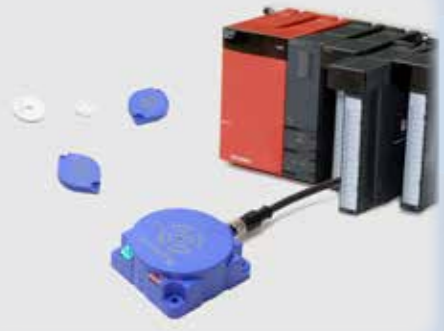
Wireless power supply 24V DC / 2A
& Input 64 signals+Output 32 signals

CC-Link

utilize more

Wireless Power Supply

CC-LINK connection



MELSEC-Q BUS direct mounting

CC-LINK connection & MELSEC-Q BUS direct mounting Smooth replacement!
RFID system

The transmission at the same time,

the wireless power supply of **24VDC/2A!**

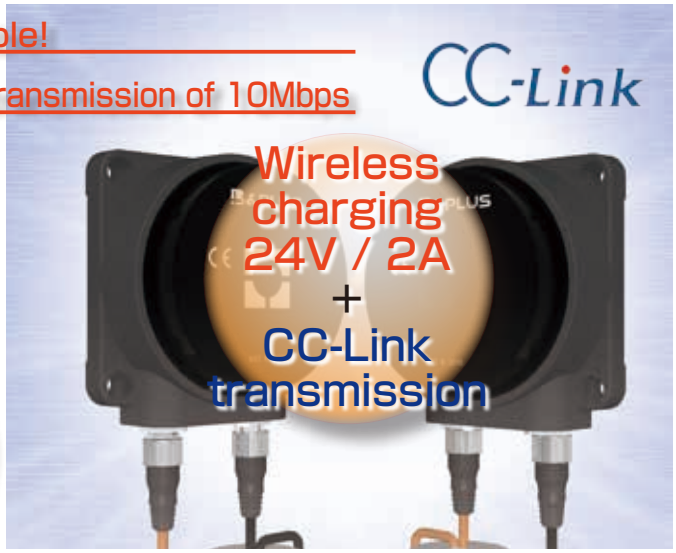
and the **CC-Link signal transmission!**

Build a CC-Link that can be freely movable!

Wireless power supply 24V/2A & CC-Link transmission of 10Mbps

CC-Link transmission type of remote coupler system delivers CC-Link transmission signal and the non-contact power supply of 24V/2A just to face. Therefore, it is a very effective tool, such as equipment with moving parts.

- Possible to place it on the rotator
- Baud rate max. 10Mbps
- 60% Miniaturization (Conventional ratio)



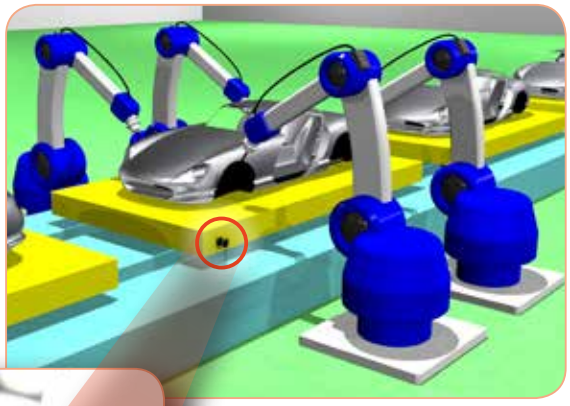
Automation of a welding line is promoted! It contributes to site remediation!

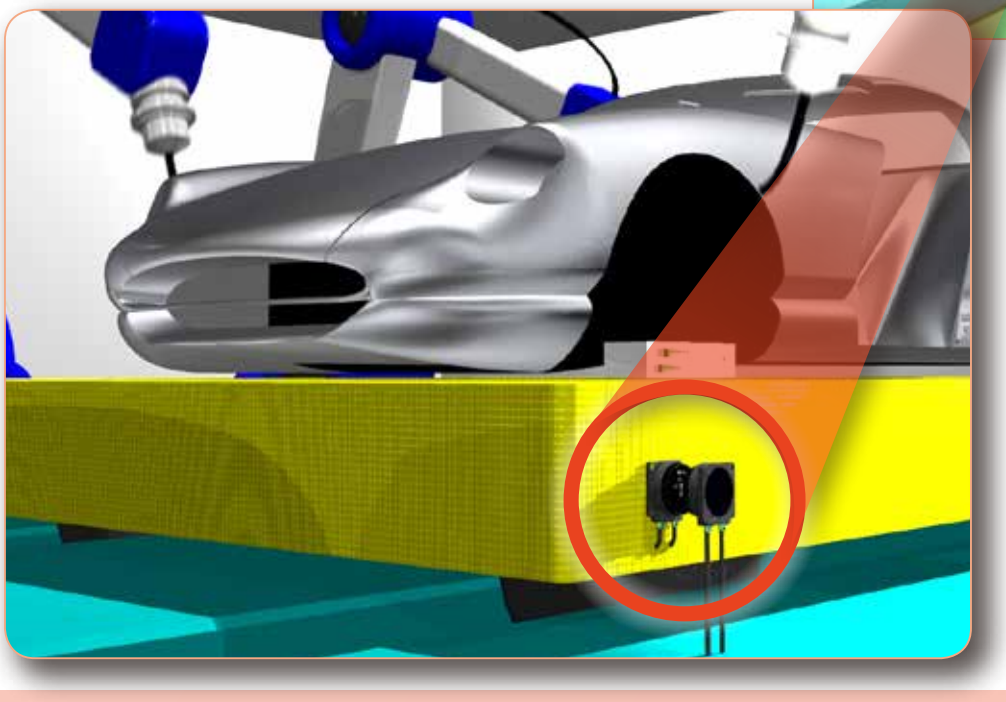
Wiring by connectors・・・

- ✕ The contact failure due to foreign matter and slag
- ✕ Needs maintenance of the connector pin in contact

By adopting the remote coupler system ...

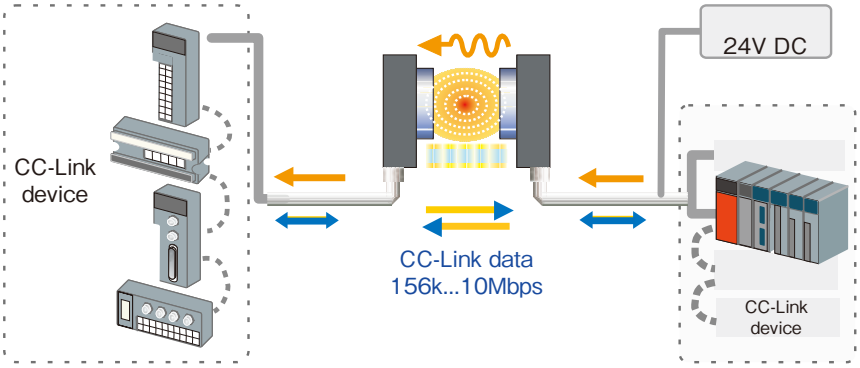
- ○ Abort of line caused by poor contact will be solved!
- ○ Maintenance-free because it is Wireless!





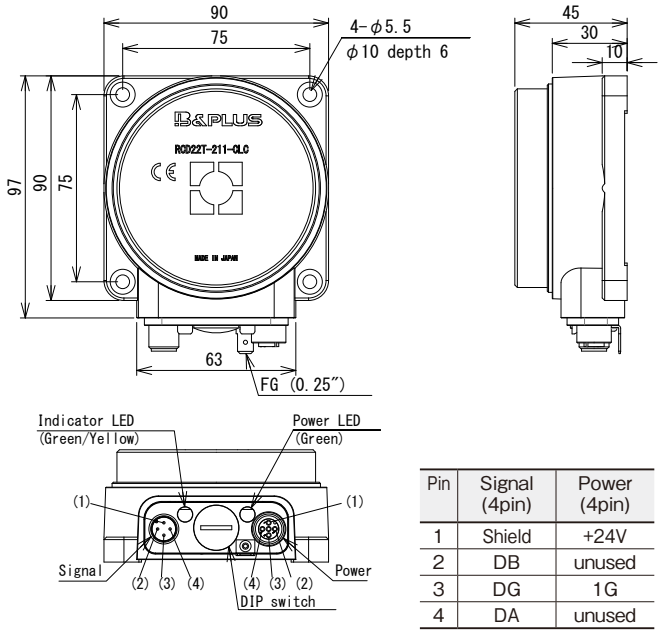
Non contact Connector!

I realize the transmission of CC-Link signal and the power supply to the moving side!



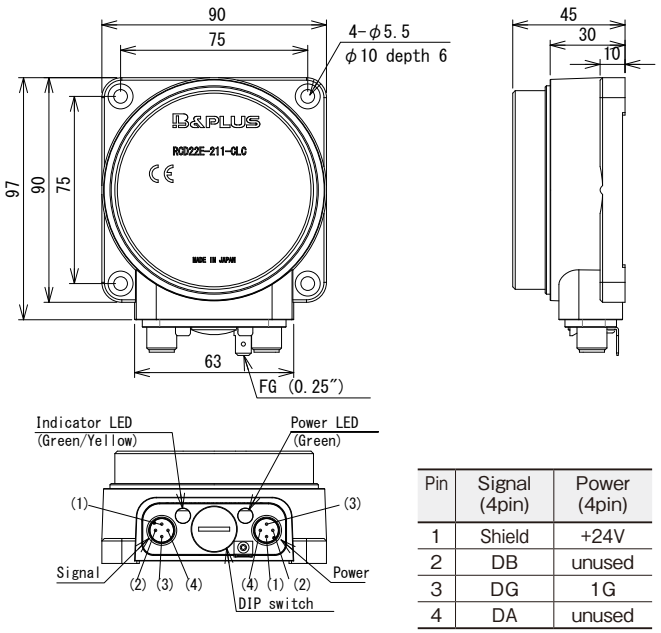
To each unit of CC-Link which is mounted on the equipment or device with the rotation and movement, and wireless power supply by the non-contact, transmission of CC-Link data is possible. Therefore, it can be used as a replacement of the connector.

Remote



Pin	Signal (4pin)	Power (4pin)
1	Shield	+24V
2	DB	unused
3	DG	1G
4	DA	unused

Base



Pin	Signal (4pin)	Power (4pin)
1	Shield	+24V
2	DB	unused
3	DG	1G
4	DA	unused

Type code	RCD22T-211-CLC
Drive voltage	24V ± 1.5V DC
Drive current	≦2A
Operating distance	3...5mm
Center offset	± 4mm
Operating temperature	0...+50℃
Protection Class	IP 67
Connector	M12 /signal:4-pin (male), Power supply : 4-pin (female)
Material Housing	Aluminum + alumite processing (metal part)
Material Active face	ABS+PBT (resin part)
Weight	800g
Included	Ferrite core clamp（Gray x 2・White x 1）

Type code	RCD22E-211-CLC
Power supply	24V DC ± 5%(incl.ripple)
Current consumption	≦3A
Signal transmission	CC-Link Data Signal
Transmission delay	156K....10M bps （ set up by DIP switch）
Start-up time	≦2 sec*
Operating temperature	0...+50℃
Connector	M12 / signal : 4-pin (male), Power supply : 4-pin (male)
Protection Class	IP 67
Material Housing	Aluminum + alumite processing (metal part)
Material Active face	ABS+PBT (resin part)
Weight	800g
Included	Ferrite core clamp（Gray x 2・White x 1）

The transmission at the same time,

the wireless power supply of **24VDC/2A!** and

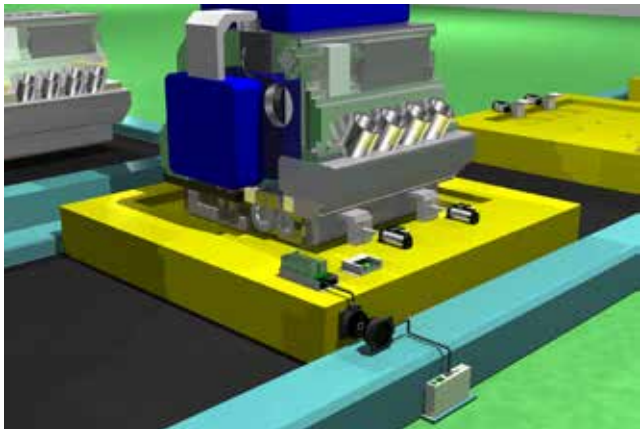
Input 64 signals + Output 32 signals Transmission

Controllable from the master of the CC-Link network!

A remote system, work as the remote device station!

The remote coupler system (switch signal transmission type) is 24V/2A

that can perform non-contact feeding and the switch signal transmission of 32 points of output signals such as 64 points of input signals such as a proximity sensor or the photoelectric sensor and solenoid valve at the same time. Makes the facilities with the limit non-contact with a connector or a cable in the excursion and able to make it automation.
This system connects with CC-Link, and control is possible from a master of CC-Link because I work as the remote device station



Automation of a welding line is promoted! It contributes to site remediation!

The wiring by the cable connector connection.....

- ✕ It takes trouble and time by the preparation at the time of the palette exchange
- ✕ Cable disconnection and maintenance are necessary for the moving part

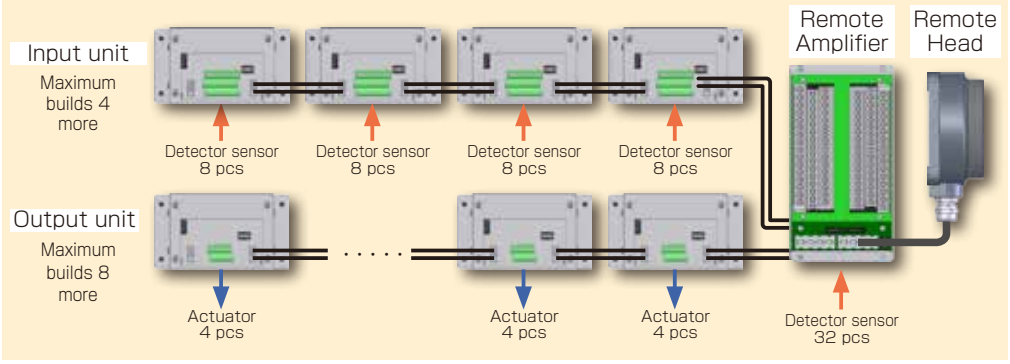
By adopting the remote coupler system ...

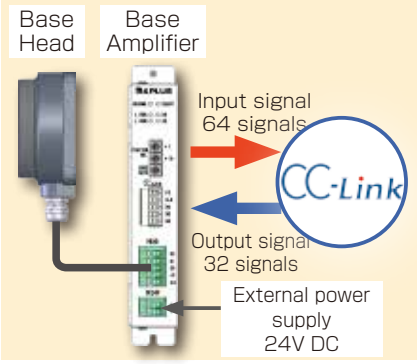
- ○ Work recognition, fixation, sitting confirmation is automated
- ○ Because of the non-contact there is no disconnection

build more by the number of input and output signals! It is flexible and supports the environment of the line

Can connect the input signal for 32 points to a remote amplifier.Also be able to cope when increasing an input signal and output signals by building more an inputting unit, outputting units.

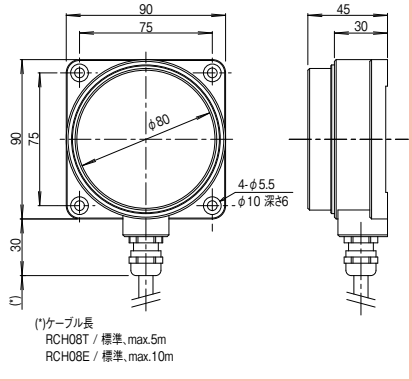
■ Connection examples.... access to 64 detection sensors, drive unit 32 in the connection remote part (movable side)





■ Remote head (Movable side)

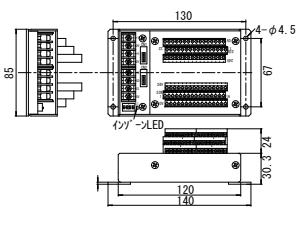
Type code	RCH08T-211-PU-01	
Applicable amplifer	RL64T-344_-000, RL64T-345_-000	
Drive voltage	24V ± 1.5V DC	
Drive current	≦2A	
Operating distance	4...9mm	6...8mm
Center offset	±5mm	±3mm
Drive current	≦1A	≦2A
Operating temperature	0...+50℃	
Protection Class	IP67	
Cable	PUR / φ7.8, 2x1.25mm²+2x0.2mm² Shield cable	
Material Housing	Aluminum + alumite processing (metal part)	
Active face	ABS+PBT (resin part)	
Weight	Body 600 g + Cable120 g× 1 m	

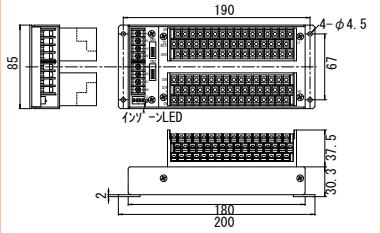


■ Base head (Fix side)

Type code	RCH08E-211-PU-02
Applicable amplifer	RL64E-366CL-000
Supply voltage	24V DC ± 5% (including ripple)
Current consumption	≦4A
Load current	---
Frequency	---
LED indication	---
Operating temperature	0...+50℃
Protection Class	IP67
Cable	PUR / φ7.8, 2x1.25mm²+2x0.2mm² Shield cable
Material Housing	Aluminum + alumite processing (metal part)
Active face	ABS+PBT (resin part)
Weight	Body 620 g + Cable120 g× 2 m

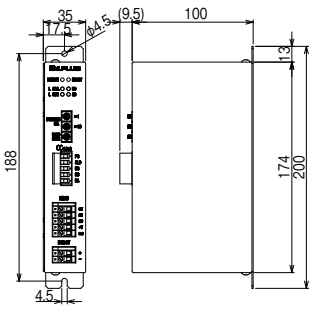
Remote amplifier





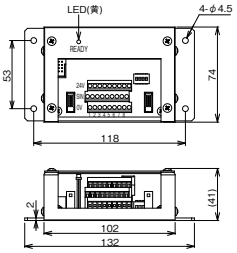
		(Pin terminal)	(Ring terminal)
Type code	NPN	RL64T-344N-000	RL64T-345N-000
	PNP	RL64T-344P-000	RL64T-345P-000
Applicable Remote head		RCH08T-211-PU	
Input type / No. of signals		NPN or PNP / 32 signals	
Load current		7mA / per input	
Frequency response		20Hz	
Current consumption		≦70mA	
Material Housing		SPCC-SD, Glass-epoxy	
Sensor / head		sensor 3 pole x 32 /Remote head 4 pole x 1	
Input/Output unit		Connector e-con , 4P x 2	
Operating temperature		0...+50℃	
Weight		620 g	1,040 g

Base amplifier



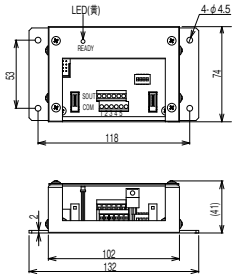
Type code/CC-Link		RL64E-366CL-000
Applicable Base head		RCH08E-211-PU
Applicable Remote amplifier		RL64T-344_-000
		RL64T-345_-000
Protocol		CC-Link (Ver. 1.10)
Station type		Remote device station
Occupied station		3 局
Baud rate		156k/625k/2.5M/ 5M/10M bps
Station Number		1 ... 62
No. of Input signals		64signals + Inzone 1 singnals
No. of output signal		32 signals
Supply voltage		24VDC ± 5%
Current consumption		≦ 150 mA
Material		SPCC-SD
Material	Power	Terminal block : 2 pole x 1
	Head	Terminal block : 5 pole x 1
	CC-Link	2 piece terminal block : 5 pole x 1
Operating temperature		0...+50℃
Weight		570 g

Input unit



Type code	NPN	RLX08-322N
	PNP	RLX08-322P
Input logic		NPN or PNP
No. of Input signals		8 signals
Load current		7mA / per input
Current consumption		≦40mA
Frequency response		20Hz
Material Housing		SPCC-SD
sensor		Terminal block : 3 x 8 pole
I/O unit		Connector e-con 、4Px2
Operating temperature		0...+50℃
Weight		350 g

Output unit



Type code	NPN	RLY04-322N
	PNP	RLY04-322P
Output logic		NPN or PNP
No. of output signal		5 signals + 1 signal (Data varid)
Load current		max. 200mA per output
Current consumption		≦40mA
Frequency response		20Hz
Material Housing		SPCC-SD
Actuator		Terminal block : 3 x 4 pole
I/O unit		Connector e-con 、4Px2
Operating temperature		0...+50℃
Weight		350 g

Connects directly! Simple! Low cost! CC-LINK connection

Reduce the initial installation cost by direct mounting

Controllable from the master of the CC-Link network!

CC-Link Connection type

Just by connecting to CC-Link network it can work as the remote device station

Save space by 2 ch.

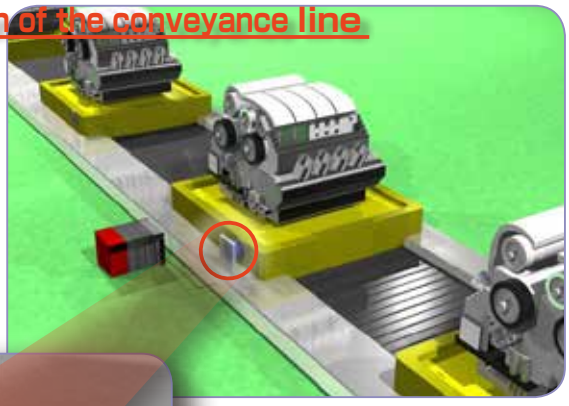
Possible to connect two ID antennas, and by the different order, each antenna with the ID tag can communicate.

It is compatible with an order for exclusive use of the ID

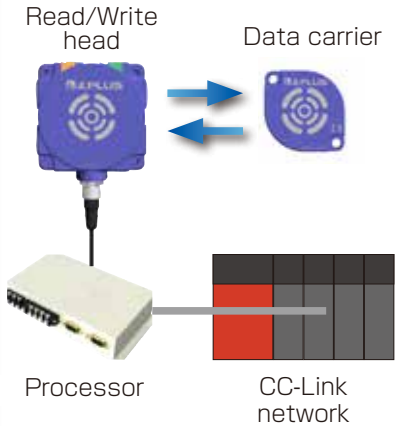
The ID controller of specifications compatible with an order of AJ65BT-D35ID2* where it is possible to prepares for the substitution!

suitable for work identification and the confirmation of the conveyance line

Be able to pass onto the next line smoothly by inputting the information
such as test results carried out at a product model number, a batch number of work loaded to the palette in the conveyance line with and other lines into an ID tag.



From an ID antenna to an ID tag, that can read and write various data



Connects directly! Simple! Low cost!
MELSEC-Q BUS direct mounting

Just plug in to the MELSEC-Q Slot

Labor saving, Space saving, Cost saving by direct mounting on MELSEC-Q PLC

Direct mounting on MELSEC-Q base unit

It is the simple setting, only comes in to a slot with an interface unit of the MELSEC-Q birth.

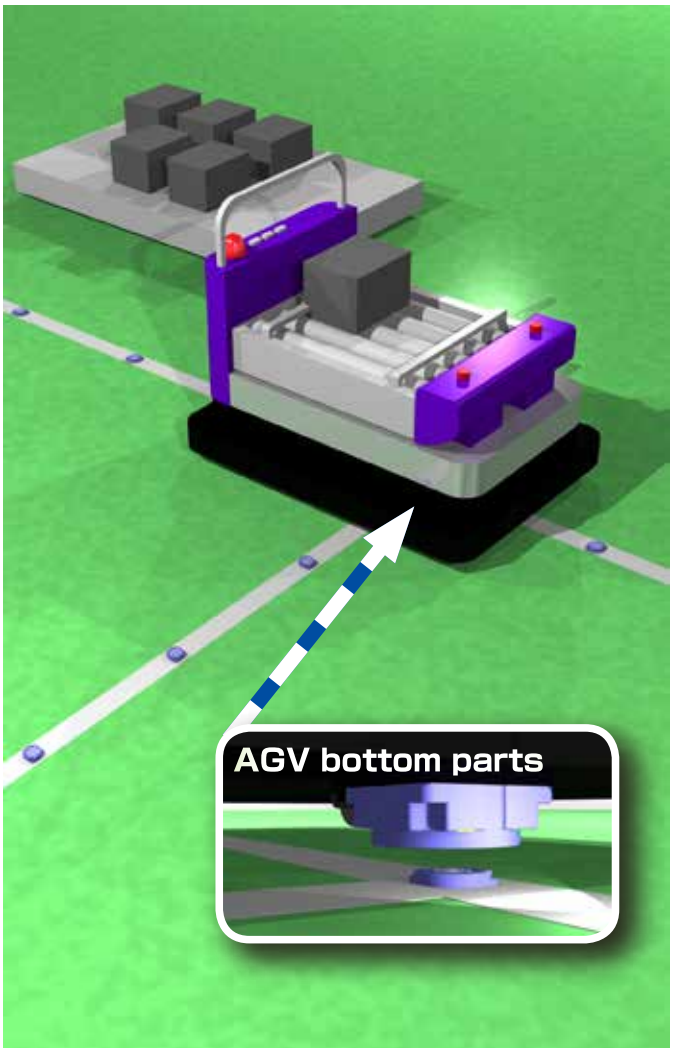
Save space by 2 ch.

Possible to connect two ID antennas, and by the different order, each antenna with the ID tag can communicate.

D-2N series *Corresponds to ID dedicated instruction

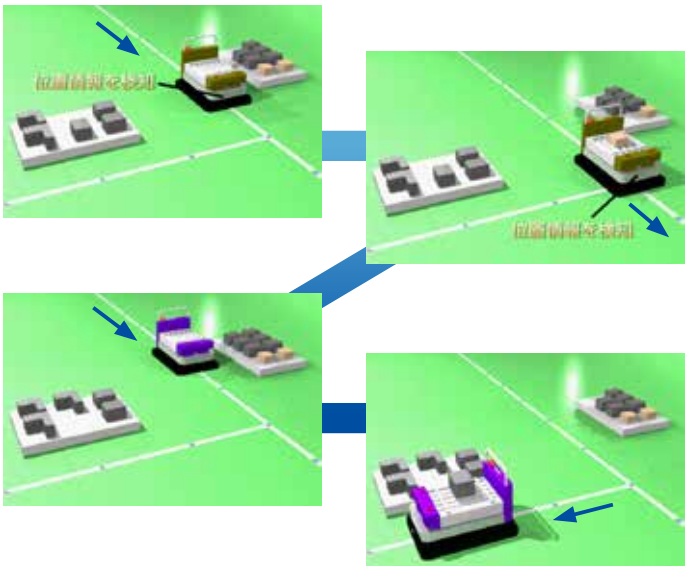
It can be processing by the shorter program than the FROM / TO instructions Substitution from the D-2N series can just use a program.

*D-2N is a Mitsubishi electric RFID system



Position confirmation, work monitoring of the AGV

Able to watch position confirmation
And work as of one of AGV by installing an ID tag on a run line of the AGV.
Can run while change of the course. And accepts the load determine by AGV in the positional information from an ID tag.



Z series product index

Processor

Type code	Z4-Q001	Z4-C001
	Z4-Q002 (ID dedicated instruction specification)*1	Z4-Q002 (ID dedicated instruction specification)*1
Interface	MELSEC-Q BUS direct mounting	CC-LINK connection
Supply voltage	24V DC ± 10% / 0.75A	24V DC ± 10% / 0.8A
PLC power supply	5V DC / 0.5A	
Number of occupied I/O	32 signals	16 signals
Number of connected Read/Write head	Connectable up to 2 Read/Write heads	Connectable up to 2 Read/Write heads
How to connect Read/Write head	terminal block connection	Connector connection
Operating temperature	0...+55℃	0...+55℃
Storage temperature	-25...+75℃	-20...+75℃

work with an order for exclusive use of the ID of AJ65BT-D35ID2 made in Mitsubishi Electric Corporation.

Read/Write head

Type code	Z3-A010-CN
Size	W80xH80xD30mm
Case material	PBT
Connection	8pin connector

Data carrier

Type code	Z1-AA04-02K	Z1-EC02-128	Z1-FA01-128	Z1-B011-128
Size	30X30X6mm	Ø26X3mm	Ø16X0.8mm	Ø50X8.3mm
Features	D2N compatible with installation	Ceramic Data carrier	Flexible Data carrier	Long distance Data carrier
Capacity	2K byte	112 byte		

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.

BN1304Be 2015.07