

24VDC/2A Power Supply and 64 + 32 Signal Transmission inductively

CC-Link

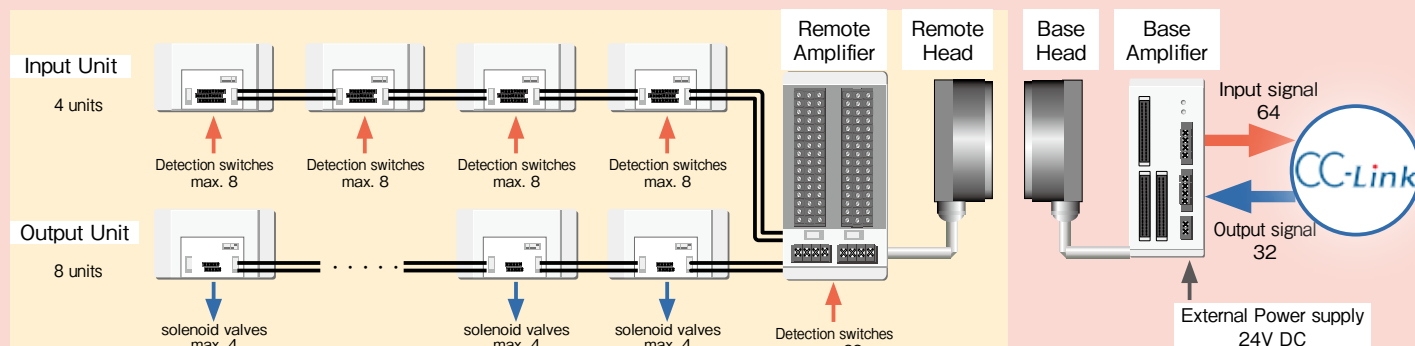
New Base Amplifier with CC-Link interface

Remote Link system transmits
64 detection signals and 32
control signals together with
power supply 24V DC/2A.



Base Amplifier
with **NEW**
CC-Link interface

Remote Link system Example : 64 of detection switches and 32 of solenoid valves on Remote part (moving side)



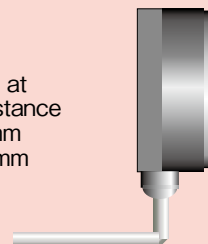
Moving side

- Remote Head . . . receives power 24V DC / 2A from Base Head inductively and transmits and receives signals with Base Head.
- Remote Amplifier . . supplies power to sensors and Input/Output unit and transmits their signals to the head.
Up to 32 sensors are connectable.
- Input Unit connects up to 8 sensors.
Up to 4 Input Units can be linked in one Remote Link system.
- Output Unit connects up to 4 driving units such as solenoid valve.
Up to 8 Output Units can be linked in one Remote Link system.

Remote Head

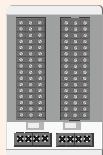
RCH08T-211-PU- _ _

Drive current at
Operating distance
1A at 4...9mm
2A at 6...8mm

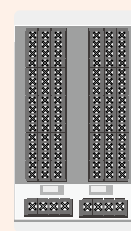


Remote Amplifier

< Pin terminal >
NPN : RL64T-344N-000
PNP : RL64T-344P-000

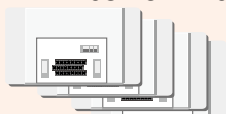


< Ring terminal >
NPN : RL64T-345N-000
PNP : RL64T-345P-000



Input Unit

NPN : RL08X-322N-000
PNP : RL08X-322P-000



(max. 4 are connectable)

Output Unit

NPN : RL04Y-322N-000
PNP : RL04Y-322P-000



(max. 8 are connectable)

Sensors

32 sensors are connectable to
one Remote Amplifier



Applicable Detector sensors	
Supply voltage	24VDC
Load capacity	7mA for operation
Residual voltage	≤ 6V
Residual current	≤ 1mA

Sensors

8 sensors are connectable to
one Input Unit.



Applicable Detector sensors	
Supply voltage	24VDC
Load capacity	7mA for operation
Residual voltage	≤ 6V
Residual current	≤ 1mA

Actuator

4 actuator are connectable to
one Output Unit.

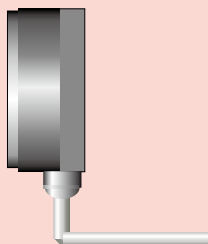


Applicable Actuators	
Output logic	NPN or PNP
Output	Open collector
Load capacity	max.200mA/ch
Residual voltage	≤ 2.5V
Residual current	≤ 0.08mA

Fixed side

Base Head

RCH08E-211-PU- _ _



Base Head..... supplies power 24V DC/2A to Remote Head inductively at the same time transmits and receives signals.

Base Amplifier..... connects to the host computer and the external power supply. It communicates with the host by following interface.

Parallel interface : RL64E-333N-000(NPN)
RL64E-333P-000(PNP)

DeviceNet interface : RL64EA-355DN-000

NEW CC-Link interface : RL64E-366CL-000

Base Amplifier

< CC-Link interface >
RL64E-366CL-000

CC-Link

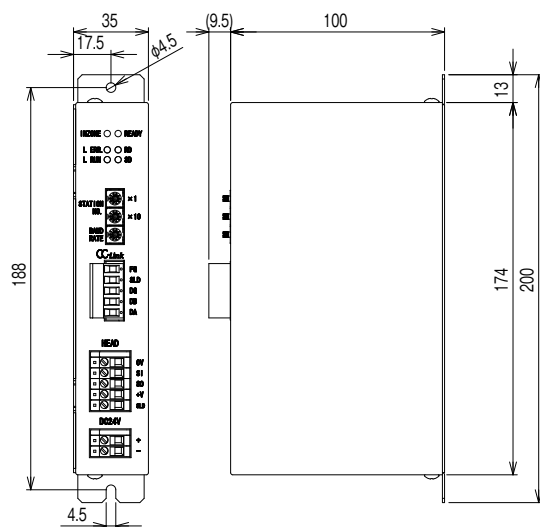


CC-Link
interface
device

External
Power supply

RL64E-366CL communicates with Master station or Local station of CC-Link. This makes it possible to control machineries on the moving part by CC-Link.

< Dimension >



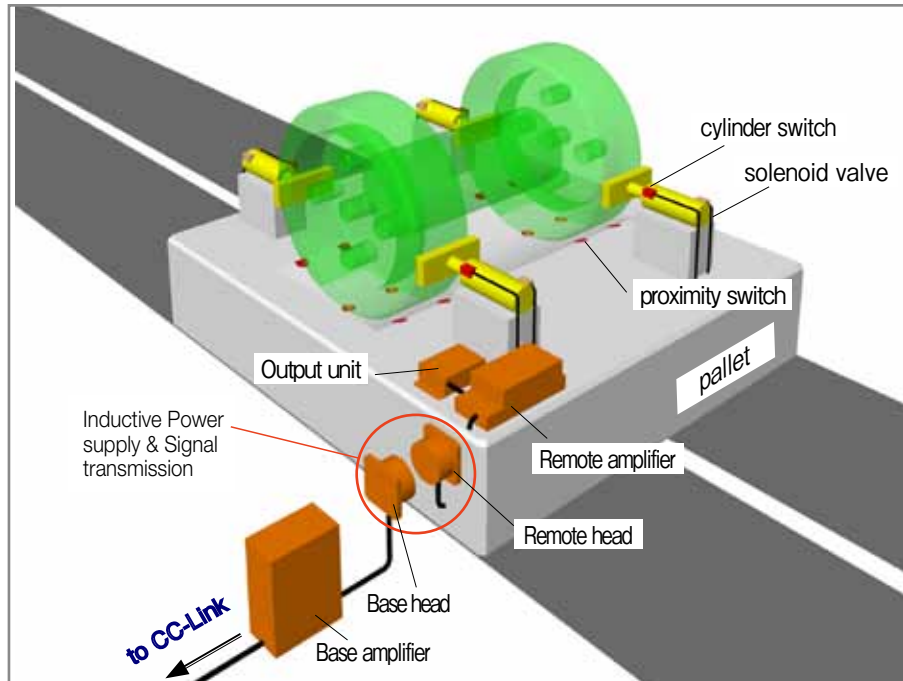
Type code	RL64E-366CL-000
Applicable Base Head	RCH08E-211-PU- _ _
Housing material	SPCC-SD
connection	Terminal blocks for powersupply and head Open connector for CC-Link : 5 pole x 1
protocol	CC-Link (Ver. 1.10)
Station type	Remote Device station
Number of stations occupied	3 station (Remote input and Output RX/RX each 96, Remote resistor RWr/RWw each 12 word)
Address	1 ... 62 (set by rotary switch)
Speed	156k/625k/2.5M/5M/10M Baud (set by rotary switch)
Number of Input	64 (RXn0 ... RX(n+3)F) InZone signal 1 1 点 (RX(n+4)0) *1
Number of Output	32 点 (RYn0 ... RX(n+1)F) *1
Operational Voltage	24V DC \pm 5% (Ripple \leq 1V)
Current consumption	\leq 150mA
Operating temperature	0...+50°C
Storage temperature	-15...+70°C

*1 n :The address which is allocated for the master station by setting of station address.



Application for the assemble pallet

Identifying a workpiece, starting a solenoid valve and monitoring position of cylinder



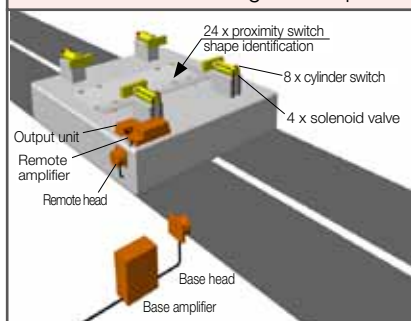
Application

The assembling work is performed identifying the workpieces by its own shape. Remote System supplies power to 24 proximity switches, 8 cylinder switches and 4 solenoid valve. Remote system transmits their detected signals and start signals at the same time.

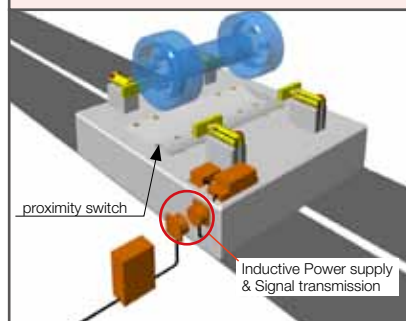
Advantage

Identification, fixation and sitting confirmation of the workpiece are automated, and preparation time was reduced.

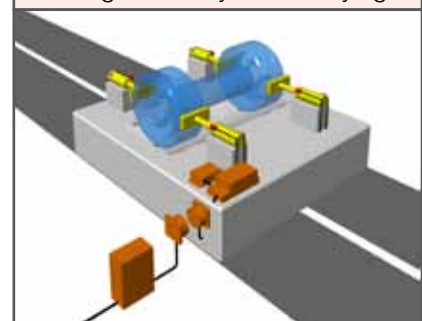
24 detectors are arranged on a pallet



Workpiece is Identified by its own shape



Starting assembly after verifying



B & PLUS K.K.

274 Gomyo Tokigawa-machi
Hiki-gun Saitama 355-0343 Japan
E-mail : b-plus@b-plus-kk.jp

<http://www.b-plus-kk.jp>

USA Branch

3940 Olympic Blvd. Suite 400
Erlanger, KY 41018
E-mail : b-plus-usa@b-plus-kk.com

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

*Specification is subject to change without notice.