

24VDC/2A Power supply and 64+32 Signal transmission inductively

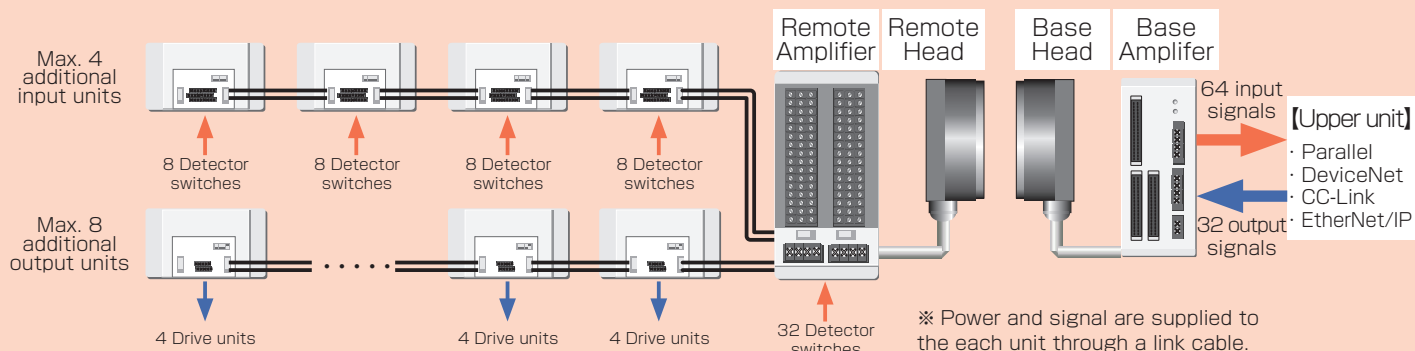
Selectable interface !!

Remote system for a variety of fieldbus

■ With link connection of extension units,
Max 4 input units x 8 detector switches
Max 8 output units x 4 drive units
are connectable



■ Remote system Connection example :64 detector switches and 32 drive units on Remote part (moving side)



REMOTE SYSTEM

Configuration diagram

Remote part (Moving side)

Remote head Facing to base head, it transmits both 24V DC / 2A and I/O signals by no contact

Remote amplifier Supply power to connected detector switches and I/O signals. Max. 32 detector switches can be connected

Input unit Supply power to connected detector switches and transmit detected signals to remote amplifier. Max. 8 detector switches can be connected
1 system can link up to 4 units

Output unit Run the drive unit of connected solenoid valves or small motors. Max. 4 drive units can be connected.
1 system can link up to 8 units

Remote head

RCH08T-211-PU- _ _

Drive current/
transmission
distance

1 A/ 4...9mm
2A/ 6...8mm



Power
24VDC



Signal



Remote amplifier

< Pin terminal type >

NPN : RL64T-344N-000

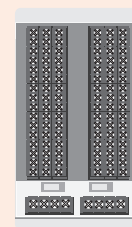
PNP : RL64T-344P-000



< Ring terminal type >

NPN : RL64T-345N-000

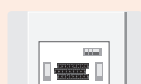
PNP : RL64T-345P-000



Input unit

NPN : RLX08-322N

PNP : RLX08-322P



(Max. 4 additional units)

Output unit

NPN : RLY04-322N

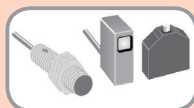
PNP : RLY04-322P



(Max. 8 additional units)

Sensors

32 sensors are connectable to one Remote Amplifier

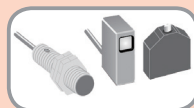


Applicable Detector sensors

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

Sensors

8 sensors are connectable to one Input Unit.



Applicable Detector sensors

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

Actuator

4 actuator are connectable to one Output Unit.



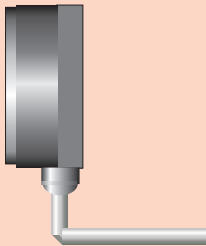
Applicable Actuators

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

Base part (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

CC-Link interface : RL64E-366CL-000

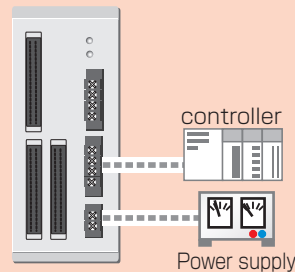
EtherNet/IP interface : RL64E-366EI-000

Base Amplifier

Parallel interface

NPN : RL64E-333N-000
PNP : RL64E-333P-000

RL64E-333N/P communicates with Host computer input 32 and output 64 signals by parallel interface.

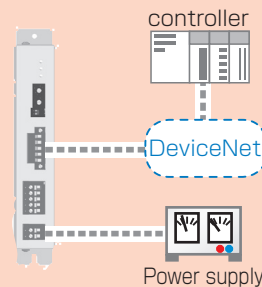


DeviceNet interface

RL64EA-355DN-000

RL64EA-355DN communicates with master unit or slave unit of DeviceNet.

This makes it possible to control machineries on the moving part by DeviceNet.

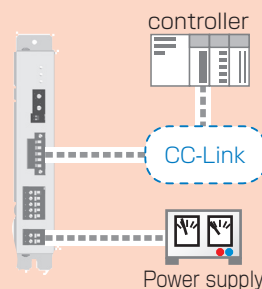


CC-Link interface

RL64E-366CL-000

RL64E-366CL communicates with Master station or Local station of CC-Link directly.

This makes it possible to control machineries on the moving part by CC-Link.



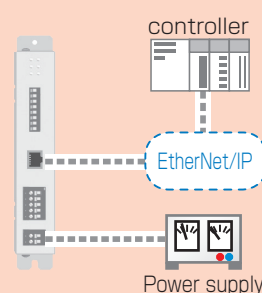
Ethernet/IP interface

RL64E-366EI-000

■ EtherNet/IP

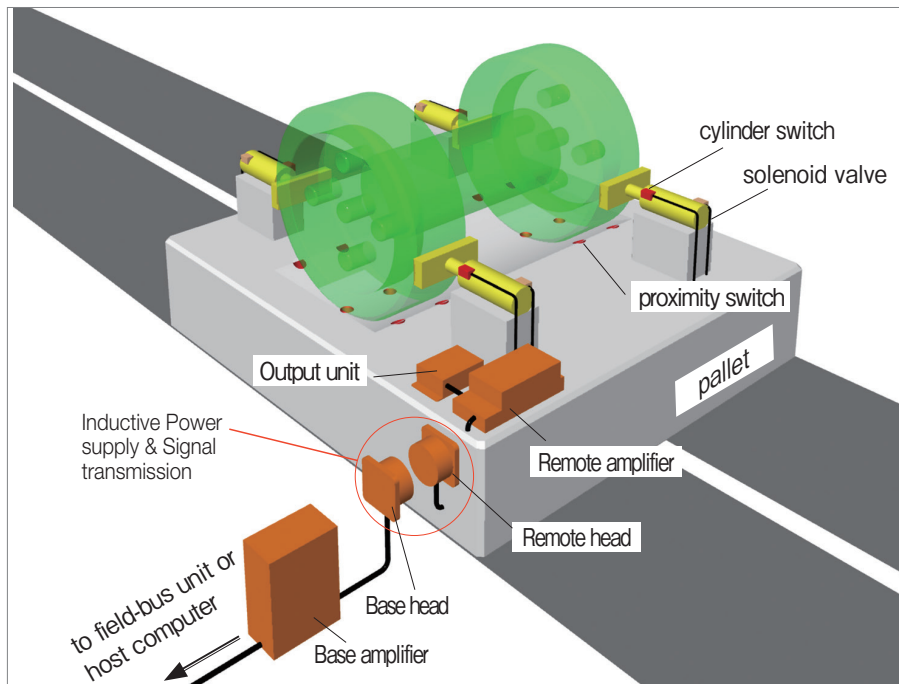
RL64E-366EI communicates with EtherNet/IP.

This makes it possible to control machineries on the moving part by EtherNet/IP.



Application for the assemble pallet

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

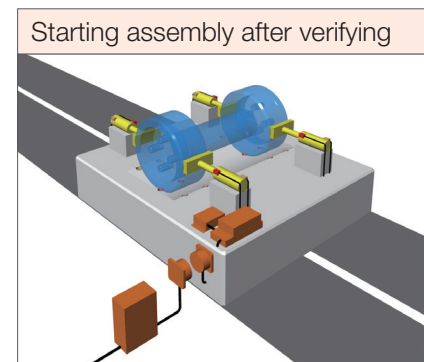
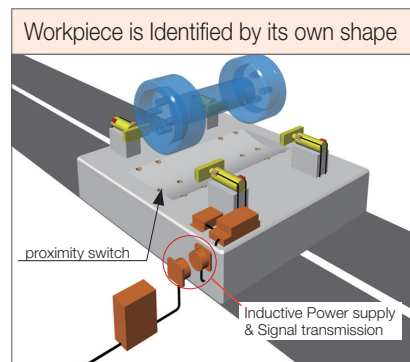
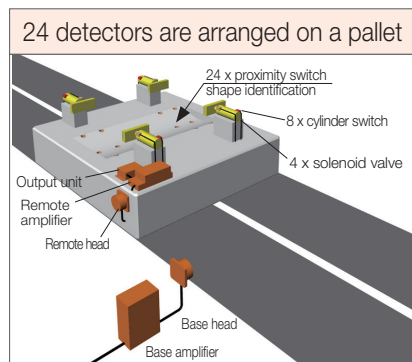


Application

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.



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* Contents is subject to change without notice.