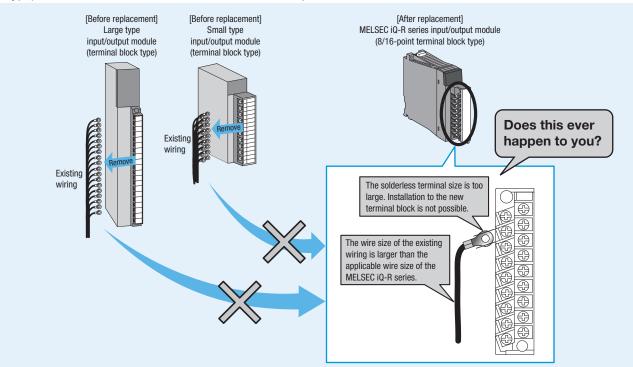
General-purpose PLC \rightarrow MELSEC iQ-R series Upgrade tool "Universal conversion adapter"

Replacing general-purpose PLC with the MELSEC iQ-R series

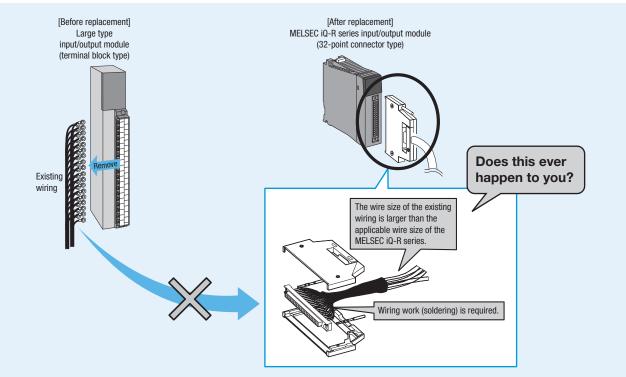
- Universal conversion adapter
- The universal conversion adapter reduces the time required for rewiring input/output modules (terminal block type) when replacing a general-purpose PLC with the MELSEC iQ-R series programmable controller manufactured by Mitsubishi Electric.

Product overview

• You want to replace input/output modules (terminal block type) of a general-purpose PLC with those (terminal block type) of the MELSEC iQ-R series, but there are some problems.



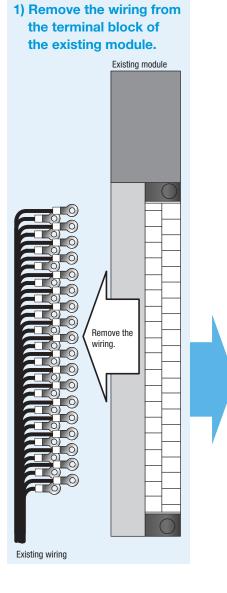
• You want to replace input/output modules (terminal block type) of a general-purpose PLC with those (connector type) of the MELSEC iQ-R series, but there are some problems.



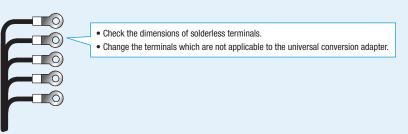
Consider the use of the universal conversion adapter as a solution. If the specifications of the devices currently connected satisfy the specifications of the MELSEC iQ-R series input/output module, you can use a universal conversion adapter for replacement, regardless of the manufacturer of the existing PLC!

Note that this product is designed under the premises that rewiring (reinstallation of existing wiring to the terminal block) will be performed by the user.

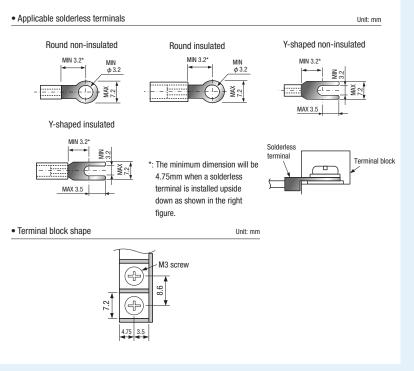
Replacement procedure



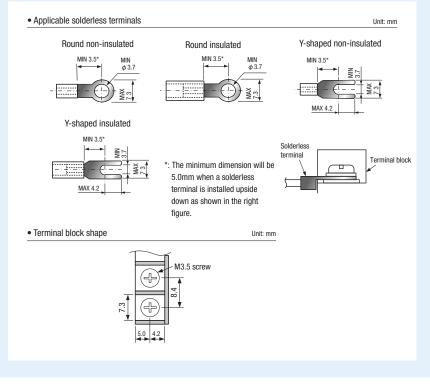
2) Check the solderless terminals.



Universal conversion adapter (large type)



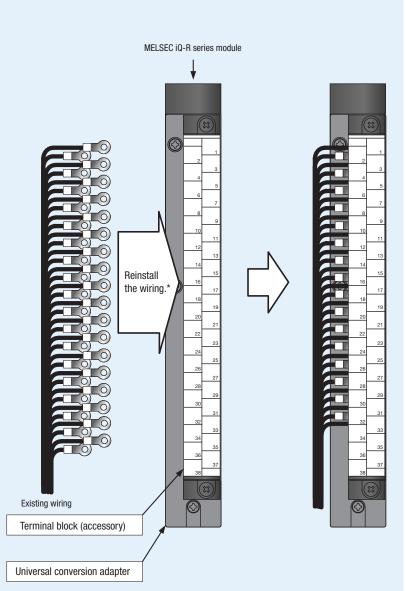
Universal conversion adapter (small type)



3) Reinstall the removed wiring to the terminal block of the universal conversion adapter.

Check the external connection diagram of each MELSEC iQ-R series module used, and reinstall the removed wiring to the terminal block of the universal conversion adapter.

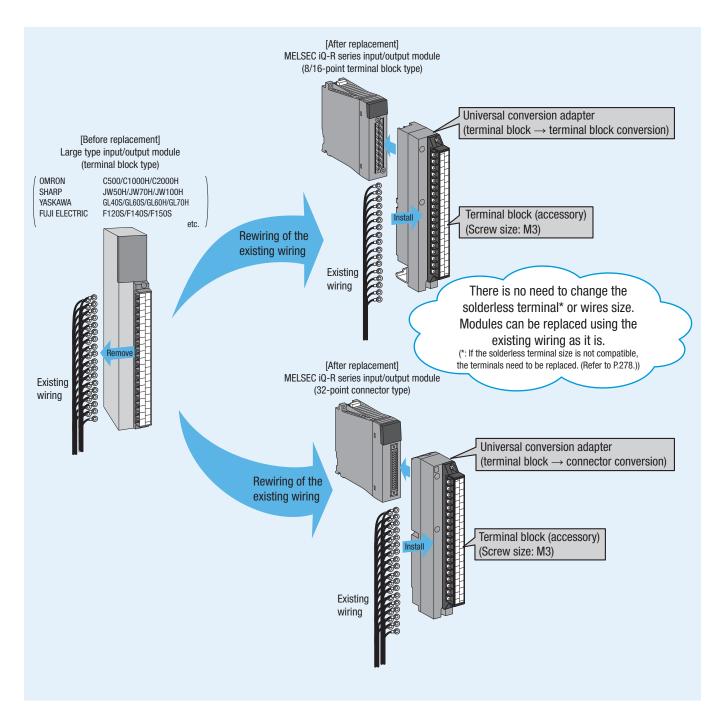
External connection	on diagram (example)		
		Terminal No.	Signal name
		TB1	X00
	<u> </u>	TB2	X01
		TB3	X02
Terminal block		TB4	X03
Torminal block		TB5	X04
TB1		TB6	X05
TB2 X00 X01TB3		тв7	X06
TB4 X02		TB8	X07
X03TB5		тв9	X08
TB6 X04	— —	TB10	X09
X05TB7 TB8 X06		TB11	X0A
X07TB9		TB12	X0B
TB10 X08		TB13	X0C
X09TB11 TB12 X0A		TB10	X0D
X0B TB13		TB15	X0E
TB14 X0C		TB15	X0E
X0D TB15		TB10	X10
TB16 X0E X0F TB17		TB17	X10 X11
TB18 X10		TB10	X11 X12
X11TB19			X12
TB20 X12 X13TB21		TB20 TB21	X13
TB22 X14			
X15TB23		TB22	X15
TB24 X16 X17TB25		TB23	X16
TB26 X18		TB24	X17
X19TB27		TB25	X18
TB28 X1A		TB26	X19
X1B TB29 TB30 X1C		TB27	X1A
X1D TB31		TB28	X1B
TB32 X1E		TB29	X1C
X1F TB33 TB34 COM		TB30	X1D
Open TB35		TB31	X1E
TB36 Open		TB32	X1F
Open TB37	└──	TB33	COM
TB38 Open	24VDC	TB34	Open
	21100	TB35	Open
		TB36	Open
		TB37	Open
		TB38	Open



*: After replacement, connect wires in accordance with the terminal numbers and signal names of the universal conversion adapter.

- *: Depending on the change in the number of points per common (for example 8 points/common ightarrow
- 16 points/common), the connected devices (such as switches) may also need to be changed. *: When any wires are left unconnected, connect them to open terminals or insulate them.

Replacing a general-purpose PLC (large type) with the MELSEC iQ-R series



Replacing a general-purpose PLC (small type) with the MELSEC iQ-R series

