OMRON

PRODUCT NEWS

Product Discontinuation Notices

Issue Date
April 1, 2024

Product Discontinuation	Recommended Replacement
Temperature Controllers	Machine Automation Controllers
EJ1N-HFUC-ECT	**NX-ECC series**

[Final order entry date]

The end of March, 2025

[Date of The Last Shipping]

The end of June, 2025

[Caution on recommended replacement]

- The temperature controller that can be used will be changed to the NX-TC series.
  Example of Usage Configuration.
  Product discontinuation: NX102 + EJ1N-HFUC-ECT +EJ1 Temperature Controller Unit
  Recommended Replacement: NX102 + NX-ECC20[] + NX-TC

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Charac-teristics	Operation ratings	Operation methods
NX-ECC201	--	--	--	--	--	*	--
NX-ECC202	--	--	--	--	--	*	--
NX-ECC203	--	--	--	--	--	*	--

** : Compatible
* : The change is a little/Almost compatible
-- : Not compatible
- : No corresponding specification

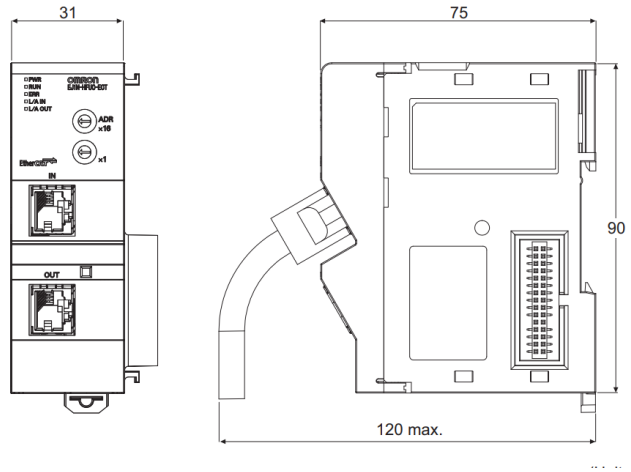
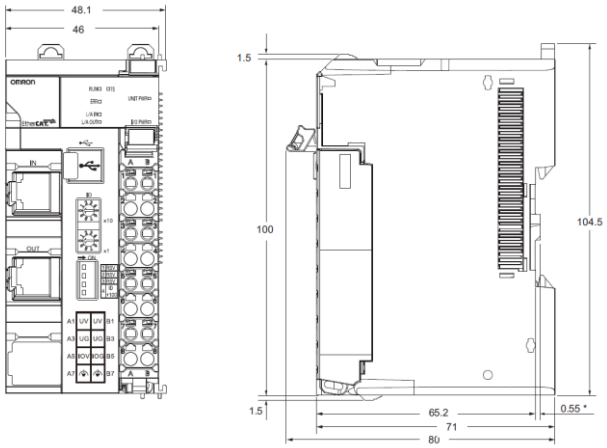
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
EJ1N-HFUC-ECT	NX-ECC201
	NX-ECC202
	NX-ECC203

[Body color]

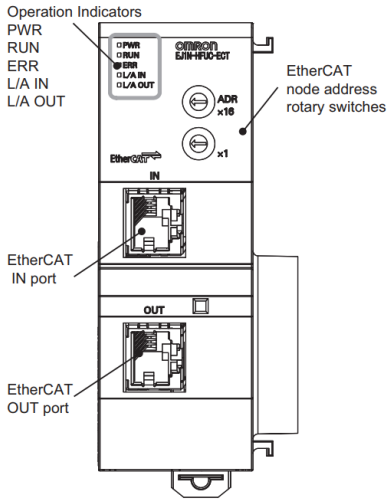
Product discontinuation EJ1N-HFUC-ECT	Recommendable replacement NX-ECC series
Case color Light gray, Blue. 	**Case color** Black. 

[Mounting dimensions]

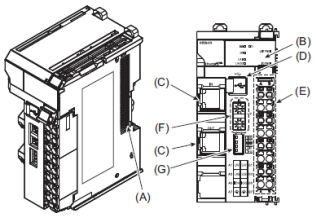
Product discontinuation EJ1N-HFUC-ECT	Recommendable replacement NX-ECC series
	

[Terminal layout / Wire connection]

Product discontinuation
EJ1N-HFUC-ECT

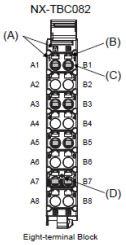


Recommendable replacement
NX-ECC series



Symbol	Name	Function
(A)	NX bus connector	This connector is used to connect each Unit.
(B)	Indicators	The indicators show the current operating status of the Unit.
(C)	Communications connectors	These connectors are connected to the communications cables of the EtherCAT network. There are two connectors, one for the input port and one for the output port.
(D)	Peripheral USB port	This port is used to connect to the Sysmac Studio Support Software.
(E)	Terminal block	The terminal block is used to connect external devices. The number of terminals depends on the type of Unit.
(F)	Rotary switches	These rotary switches are used to set the 1s digit and 10s digit of the node address of the EtherCAT Coupler Unit as an EtherCAT slave. The address is set in decimal.
(G)	DIP switch	The DIP switch is used to set the 100s digit of the node address of the EtherCAT Coupler Unit as an EtherCAT slave.

Terminal Block

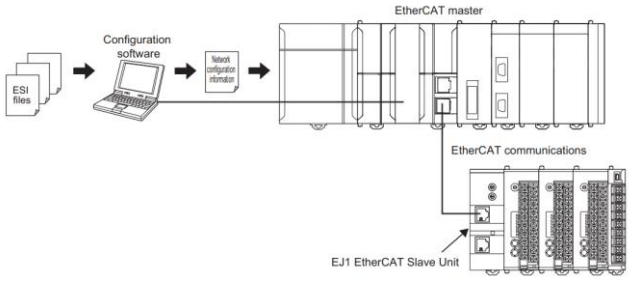


Symbol	Name	Function
(A)	Terminal number indications	The terminal numbers (A1 to A8 and B1 to B8) are displayed. The terminal number indicators are the same regardless of the number of terminals on the terminal block, as shown above.
(B)	Release holes	Insert a flat-blade screwdriver into these holes to connect and remove the wires.
(C)	Terminal holes	The wires are inserted into these holes.
(D)	Ground terminal mark	This mark indicates the ground terminals. Only the NX-TBC082 has this mark.

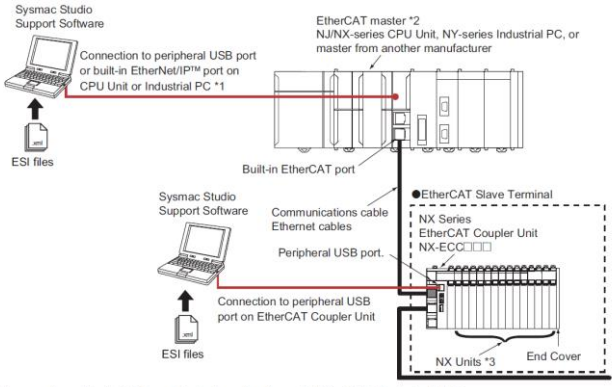
Applicable Terminal Blocks for Each Unit Model

Unit model	Current capacity of Unit's power supply terminals		Terminal Blocks			
	Unit power supply	I/O power supply	Model	No. of terminals	Ground terminal mark	Terminal current capacity
NX-ECC201	4 A		NX-TBC082	8	Present	10 A
NX-ECC202 or NX-ECC203	4 A	10 A	NX-TBC082	8	Present	10 A

System Configuration



System Configuration



*1. The connection method for the Sysmac Studio depends on the model of the CPU Unit or Industrial PC.
*2. An EtherCAT Slave Terminal cannot be connected to any of the OMRON CJ1W-NC□81/□82 Position Control Units even though they can operate as EtherCAT masters.
*3. For whether NX Units can be connected to the CPU Unit or Communications Coupler Unit to be used, refer to the user's manual for the CPU Unit or Communications Coupler Unit to be used.

[Ratings / Characteristics]

Please refer to the following user's manual for confirmation.
EJ1N-HFUC-ECT User's Manual (Cat. No. H192-E1-02)
NX-ECC series User's Manual (Cat. No. W519-E1-16)

Specifications and prices in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.