14 CC-LINK IE TSN INSTRUCTION

14.1 Own Station Number/IP Address Setting
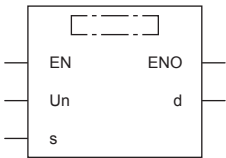
G(P).UINI

FX5S ✗   FX5UJ ✗   FX5U   FX5UC

These instructions specify the station number and IP address to the own station which they are not set yet.

Ladder	ST
─[⬚:⬚:⬚] (U) (s) (d)─	ENO:=G_UINI(EN,Un,s,d); ENO:=GP_UINI(EN,Un,s,d);

FBD/LD

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 ┌─ ⬚:⬚:⬚ ─┐
─┤ EN    ENO ├─
─┤ Un      d ├─
─┤ s         │
 └───────────┘
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("G_UINI", "GP_UINI" enters ⬚.)

Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(U)[*1]	Number of installation position of the installed module	1H to 10H	16-bit unsigned binary	ANY16
(s)	Own station start device where control data is stored	Refer to (☞ Page 1074)	Device name	ANY16[*2]
(d)	Device of the own station, which turns on for one scan upon completion of the instruction. When the instruction completes with an error, (d)+1 also turns on.	—	Bit	ANYBIT_ARRAY (Number of elements: 2)
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

*1   In the case of the ST language and the FBD/LD language, U displays as Un.

*2   Digit specified bit type label cannot be used.

■Applicable devices

| Operand | Bit | Word | | | Double word | | Indirect specification | Constant | | | | Others |
	X, Y, M, L, SM, F, B, SB, S	T, ST, C, D, W, SD, SW, R	U□\G□	Z	LC	LZ		K, H	E	$		(U)
(U)	—	○	—	—	—	—	○	○	—	—		○
(s)	—	○	—	—	—	—	○	—	—	—		—
(d)	○*1	○*2	—	—	—	—	—	—	—	—		—

*1 S cannot be used.

*2 T, ST, and C cannot be used.

■Control data

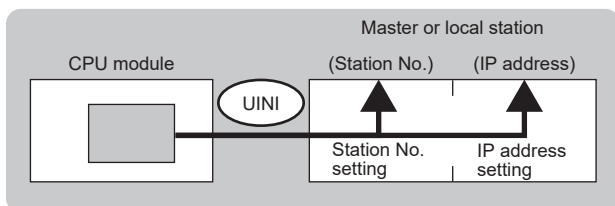| Device	Item	Description	Setting range	Set by
(s)+0	Not used	—	—	—
(s)+1	Completion status	The instruction completion status is stored. • 0: Normal • Other than 0: Error (error code)	—	System
(s)+2	Change target specification	Specify the parameters to be changed (station number and IP address). 0003H (fixed)	0003H	User
(s)+3	Station number of own station	Specifies the station number to be set. • 0: Master station • 1 to 120: Local station	0 to 120	User
(s)+4	IP address	Specify the IP address (third and fourth octets) of the own station. b15 ··· b8 b7 ··· b0 | 3 | 4 | • b8 to b15: Third octet • b0 to b7: Fourth octet	00000001H to DFFFFFFEH	User
(s)+5		Specify the IP address (first and second octets) of the own station. b15 ··· b8 b7 ··· b0 | 1 | 2 | • b8 to b15: First octet • b0 to b7: Second octet		User
(s)+6 to (s)+9	Not used	—	—	—

Point

• The G(P).UINI instruction can be executed only once.

• If the G(P).UINI instruction is executed after the station number and IP address have been determined, it will complete with an error.

• If the G(P).UINI instruction completes with an error before the station number and IP address are determined, take corrective action to correct the error content before retrying to execute the instruction.

• Set the subnet mask and default gateway using the engineering tool as necessary.

Processing details

• Sets the station number and IP address for the own station.

[Own station]

• The execution status and the completion status of the G(P).UINI instruction can be checked with the completion device (d) and the completion status indication device (d)+1.

Device	Operation
Completion device (d)	The device is turned on by END processing for the scan in which the G(P).UINI instruction is completed and turned off by next END processing.
Completion status indication device (d)+1	The device is turned on or off depending on the status when the G(P).UINI instruction is completed. When completed normally: The device remains off. When completed abnormally: The device is turned on by END processing for the scan in which the G(P).UINIT instruction is completed and turned off by next END processing.

Precautions

Do not set the broadcast address and the reserved address to the IP address ((s)+4, 5). If set, the instruction may not be executed properly.

Operation error

Error code ((s)+1)	Description
C000H to CFFFH D000H to DFFFH	Refer to ▢MELSEC iQ-F FX5 CC-Link IE TSN Master/Local Module User's Manual.

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