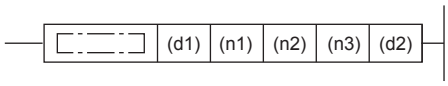
Positioning by multiple table operation

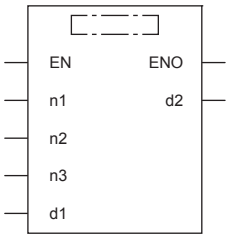
DRVTBL

FX5S FX5UJ FX5U FX5UC

This instruction executes positioning operation set in multiple data tables with the engineering tool in continuous operation or stepping operation. To execute such operation, this instruction needs to be executed only once.

Ladder diagram	Structured text
	ENO:=DRVTBL(EN,n1,n2,n3,d1,d2);

FBD/LD



Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(d1)	Axis number from which pulses are to be output	■FX5S/FX5UJ CPU module K1 to K3, K5 to K12 ■FX5U/FX5UC CPU module K1 to K12	16-bit unsigned binary	ANY16
(n1)	Start table number to be executed	1 to 100*1	16-bit unsigned binary	ANY16_U
(n2)	Last table number to be executed	1 to 100*1	16-bit unsigned binary	ANY16_U
(n3)	Table execution method	K0, K1	16-bit unsigned binary	ANY16_U
(d2)	Bit device number of the positioning complete flag or abnormal end flag	—	Bit	ANYBIT_ARRAY (Number of elements: 2)
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

*1 If the table data is not stored to devices in the CPU module, the table number range is 1 to 32.

■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	$	
(d1)	○	○	○	○	—	—	○	○	—	—	—
(n1)	○	○	○	○	—	—	○	○	—	—	—
(n2)	○	○	○	○	—	—	○	○	—	—	—
(n3)	○	○	○	○	—	—	○	○	—	—	—
(d2)	○	○*1	—	—	—	—	—	—	—	—	—

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

Processing details

This instruction executes positioning operation set in multiple data tables with the engineering tool in the continuous operation or stepping operation. To execute such operation, this instruction needs to be executed only once.

- For (d1), specify the axis number from which pulses are output.
- For (n1), specify the start table to be executed according to the output specified in (d1).
- For (n2), specify the last table. When (n1) and (n2) are the same, only one table is executed. The table operation keeps executing until the last table or a table that is not set with parameters is executed.
- For (n3), specify the table execution method. (K0 = Stepping operation, K1 = Continuous operation)
- For (d2), specify the bit device of the normal complete flag or abnormal end flag.

For details on the function and error code, refer to MELSEC iQ-F FX5 User's Manual (Application).

Precautions

Two devices are occupied from the device specified in (d2). Make sure that these devices are not used in other controls.

For other precautions, refer to MELSEC iQ-F FX5 User's Manual (Application).