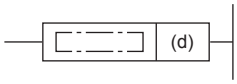
Incrementing 32-bit binary data

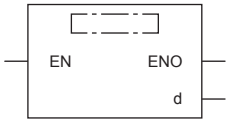
DINC(P)(_U)

FX5S FX5UJ FX5U FX5UC

These instructions add 1 to the device (32-bit binary data) specified by (d).

Ladder diagram	Structured text	
	ENO:=DINC(EN,d); ENO:=DINCP(EN,d);	ENO:=DINC_U(EN,d); ENO:=DINCP_U(EN,d);

FBD/LD



Setting data

■Descriptions, ranges, and data types

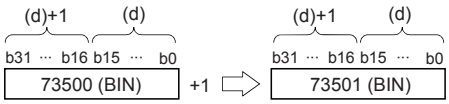
Operand		Description	Range	Data type	Data type (label)
(d)	DINC(P)	Head device to be incremented by +1	-2147483648 to +2147483647	32-bit signed binary	ANY32_S
	DINC(P)_U		0 to 4294967295	32-bit unsigned binary	ANY32_U
EN		Execution condition	—	Bit	BOOL
ENO		Execution result	—	Bit	BOOL

■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	$	
(d)	○	○	○	○	○	○	○	—	—	—	—

Processing details

- These instructions add 1 to the contents of device (32-bit binary data) specified by (d).



- If DINC(P) instruction is executed when contents of device specified by (d) is 2147483647, -2147483648 is stored in the device specified by (d). (If signed is specified)
- If DINC(P)_U instruction is executed when contents of device specified by (d) is 4294967295, 0 is stored in the device specified by (d). (If unsigned is specified)
- Flags (zero, carry and borrow) are not activated at this time.

Precautions

Note that data is incremented in every operation cycle in a continuous operation type instruction.

Operation error

There is no operation error.