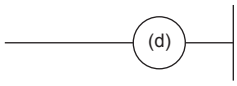
Annunciator

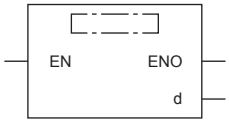
OUT F

FX5S FX5UJ FX5U FX5UC

This instruction outputs the operation result up to the OUT F instruction to the specified annunciator.

Ladder diagram	Structured text
	ENO:=OUT(EN,d);

FBD/LD



("OUT" enters □.)

Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(d)	Annunciator number that turns ON	—	Bit	—*1 (ANY_BOOL)
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

*1 Regardless of the program language to be used, the data type is specified by a device. Do not specify a label.

■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)	○*1	—	—	—	—	—	—	—	—	—	—

*1 Only F can be used.

Processing details

- This instruction outputs the operation result up to the OUT F instruction to the specified annunciator.
- Operation is as follows when annunciator (F) is turned ON by the OUT F instruction.
  - The annunciator number (F number) that turns ON is stored in special registers (SD64 to SD79).
  - The content of SD63 is incremented by 1.
- When the content of SD63 is 16 (16 annunciators are already on), the annunciator number that turns ON is not stored in SD64 to SD79 even if a new annunciator turns ON.
- Operation is as follows when annunciator (F) is turned OFF by the OUT F instruction:
  - The coil turns OFF, but the contents of SD64 to SD79 do not change.
  - To delete an annunciator that has turned OFF by the OUT F instruction from SD64 to SD79, use the RST F instruction.

■Related devices

Device	Name	Description
SD62	Annunciator (F) Detection No.	This register stores the earliest detected annunciator (F) No.
SD63	Annunciator (F) Detection Number	This register stores the number of annunciator (F) detections.
SD64 to SD79	Annunciator (F) Detection No. table	This register stores the annunciator (F) detection No.

Operation error

There is no operation error.