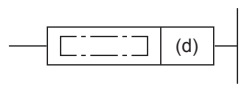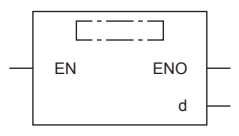# Setting annunciator

SET F

FX5S　　**FX5UJ**　　**FX5U**　　**FX5UC**

This instruction turns ON the specified annunciator.

Ladder diagram	Structured text
┌─┈─┈┐ │└─┈─┘│ (d)	ENO:=SET(EN,d);

FBD/LD
┌─┈─┈┐ │└─┈─┘│ ─ EN　　　ENO ─ 　　　　　　d ("SET" enters □.)

Setting data

■Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(d)	Annunciator number (F number) that is set	—	Bit	—[*1] (ANY_BOOL)
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

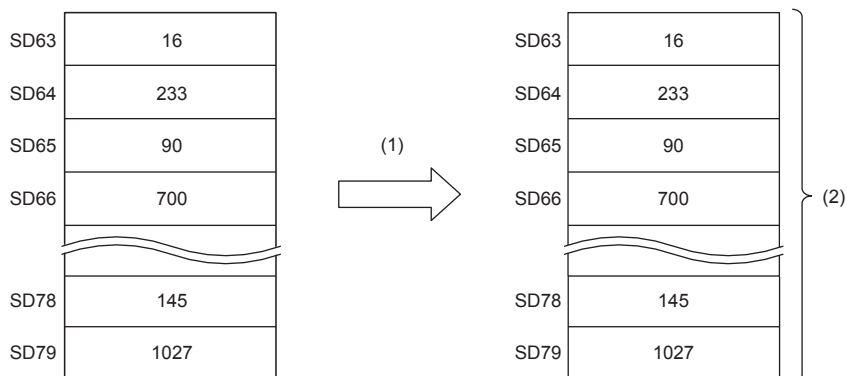*1 Regardless of the program language to be used, the data type is specified by a device. Do not specify a label.

■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 turns ON the annunciator specified by (d) when the execution command turns ON.
- Operation is as follows when annunciator (F) is turned ON.
  - 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.

SD63	16		SD63	16	
SD64	233		SD64	233	
SD65	90	(1)	SD65	90	(2)
SD66	700		SD66	700	
SD78	145		SD78	145	
SD79	1027		SD79	1027	

(1): F30 is turned ON.
(2): Does not change.

■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.