

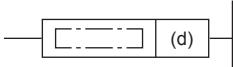
Resetting devices (excluding annunciator)

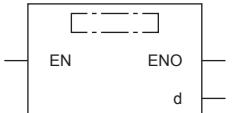
RST

FX5S FX5UJ FX5U FX5UC

The status of the device specified by (d) changes as follows when the RST input turns ON.

- Bit devices: Turns the coils and contacts OFF.
- Timers, counters: Sets the current value to 0, and turns contacts OFF.
- Bit specification of word device: Sets the specified bit to 0.
- Word devices, module access devices, index registers: Sets content to 0.

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

FBD/LD


Setting data

■ Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(d)	Bit device number/ bit specification of word device to be reset, or word device number to be reset	—	Bit/word/double word	ANY_ELEMENTARY ^{*1}
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

*1 Digit specified bit type label cannot be used.

■ Applicable devices

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

*1 When using F, refer to  Page 147.

Digit specified bit device cannot be used.

*2 Only the FX5 intelligent function module can use digit specification of bit devices.

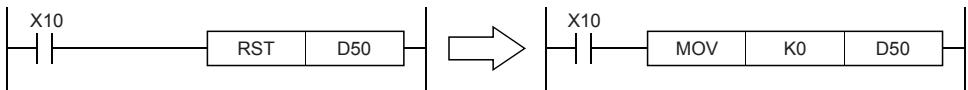
Processing details

- The status of the specified device changes as follows when the execution command turns ON.

Device	Device status
Bit devices	Turns coils and contacts OFF.
Timers, counters	Sets the current value to 0, and turns contacts OFF.
Bit specification of word device	Set the specified bit to 0.
Word devices, module access device, index registers	Sets content to 0.

- When the execution command is OFF, the device status does not change.

- Function when a word device is specified by the RST instruction is the same as the following circuit.



Precautions

When the RST instruction for a timer or counter is executed by a program containing a jump or by a subroutine program or interrupt program, the timer or counter is held in a reset state, and the timer or counter may not work normally.

Operation error

There is no operation error.