


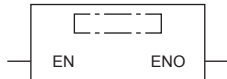
Resetting the watchdog timer

WDT(P)

FX5S FX5UJ FX5U FX5UC

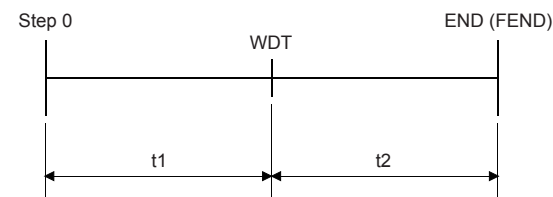
These instructions reset the watchdog timer in a program.

Ladder diagram	Structured text
	ENO:=WDT(EN); ENO:=WDTP(EN);

FBD/LD


Processing details

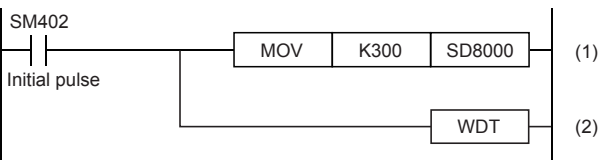
- These instructions reset the watchdog timer in a program.
- These instructions are used when the scan time exceeds the value set for the watchdog timer depending on the condition. If the scan time exceeds the value set for the watchdog timer every scan, change the setting of the watchdog timer in the parameter setting of the engineering tool.
- Design a program so that t1 from the step 0 to the WDT(P) instruction and t2 from the WDT(P) instruction to the END (FEND) instruction do not exceed the setting value of the watchdog timer.



- The WDT(P) instruction can be used more than once in one scan. However, note that turning off the output takes some time if an error occurs.

Precautions

- The time of the watchdog timer can be changed in the [RAS] tab of [CPU Parameter]. The default value is 200 ms.
- By overwriting the contents of SD8000 (watchdog timer time), the watchdog timer detection time can be changed using a program. When the program shown below is input, the sequence program will be monitored with the new watchdog timer time.



(1): Watchdog timer time: 300 ms

(2): Refreshes the watchdog timer.

If the WDT instruction is not programmed, the value of SD8000 is valid during END processing.

Operation error

There is no operation error.