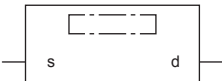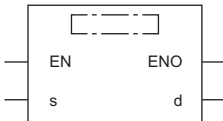# 20.11 Converting WORD to TIME

WORD_TO_TIME(_E)

`FX5S` `FX5UJ` `FX5U` `FX5UC`

These functions convert WORD type data to TIME type data.

Ladder diagram, FBD/LD		Structured text

[Without EN/ENO]	[With EN/ENO]	[Without EN/ENO]
		d:=WORD_TO_TIME(s);
		[With EN/ENO]
		d:=WORD_TO_TIME_E(EN,ENO,s);

Setting data

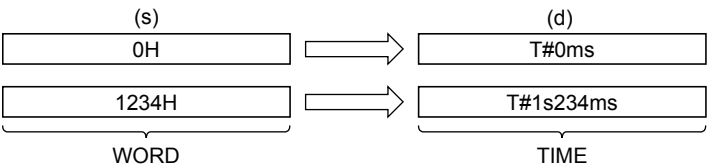#### ■Descriptions, types, and data types

Argument	Description	Type	Data type
EN	Execution condition (TRUE: Execution, FALSE: Stop)	Input variable	BOOL
s(IN)	Input	Input variable	WORD
ENO	Output status (TRUE: Normal, FALSE: Abnormal)	Output variable	BOOL
d(WORD_TO_TIME(_E))	Output	Output variable	TIME

Processing details

■Operation processing

• These functions convert the WORD type data input to (s) to TIME type data and output from (d).

(s)		(d)
0H	⇒	T#0ms
1234H	⇒	T#1s234ms
WORD		TIME

• A value input to (s) is the WORD type data value.

■Operation result

1. Function without EN/ENO

The operation processing is executed. The operation output value is output from (d).

2. Function with EN/ENO

The following table lists the execution conditions and operation results.

Execution condition	Operation result	
EN	ENO	(d)
TRUE (Executes operation)	TRUE	Operation output value
FALSE (Stops operation)	FALSE[1]	Indefinite value

*1 When FALSE is output from ENO, data output from (d) is undefined. In that case, modify a program so that the data output from (d) is not used.

Operation error

There is no operation error.