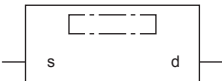
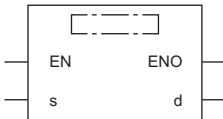


# 20.22 Converting INT to REAL

## INT\_TO\_REAL(\_E)

**FX5S** **FX5UJ** **FX5U** **FX5UC**

These functions convert INT type data to REAL type data.

Ladder diagram, FBD/LD		Structured text
[Without EN/ENO]	[With EN/ENO]	[Without EN/ENO] d:=INT_TO_REAL(s); [With EN/ENO] d:=INT_TO_REAL_E(EN,ENO,s);
		

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### Setting data

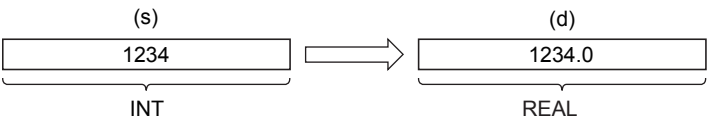
#### ■Descriptions, types, and data types

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

### Processing details

#### ■Operation processing

- These functions convert the INT type data input to (s) to REAL type data and output from (d).



- A value input to (s) is the INT 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 <sup>*1</sup>	Indefinite value

<sup>\*1</sup> 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.