

# Converting 16-bit signed binary data to 16-bit unsigned binary data

## INT2UINT(P)

FX5S FX5UJ FX5U FX5UC

These instructions convert the 16-bit signed binary data in the device specified by (s) to 16-bit unsigned binary data, and store the result in the device specified by (d).

Ladder diagram

Structured text\*1

ENO:=INT2UINT(EN,s,d);  
ENO:=INT2UINTP(EN,s,d);

FBD/LD

\*1 Supported by engineering tool version "1.035M" and later.

### Setting data

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

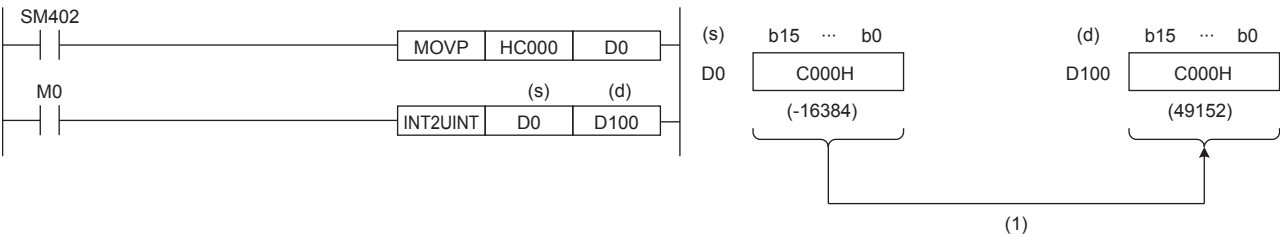
| Operand | Description            | Range            | Data type              | Data type (label) |
|---------|------------------------|------------------|------------------------|-------------------|
| (s)     | Data before conversion | -32768 to +32767 | 16-bit signed binary   | ANY16_S           |
| (d)     | Data after conversion  | —                | 16-bit unsigned binary | ANY16_U           |
| EN      | Execution condition    | —                | Bit                    | BOOL              |
| ENO     | Execution result       | —                | Bit                    | BOOL              |

#### ■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 | \$ |        |
| (s)     | <input type="radio"/>       | <input type="radio"/>     | <input type="radio"/> | <input type="radio"/> | —           | —  | <input type="radio"/>  | <input type="radio"/> | — | —  | —      |
| (d)     | <input type="radio"/>       | <input type="radio"/>     | <input type="radio"/> | <input type="radio"/> | —           | —  | <input type="radio"/>  | —                     | — | —  | —      |

### Processing details

- These instructions convert the 16-bit signed binary data in the device specified by (s) to 16-bit unsigned binary data, and store the result in the device specified by (d).



### Operation error

There is no operation error.