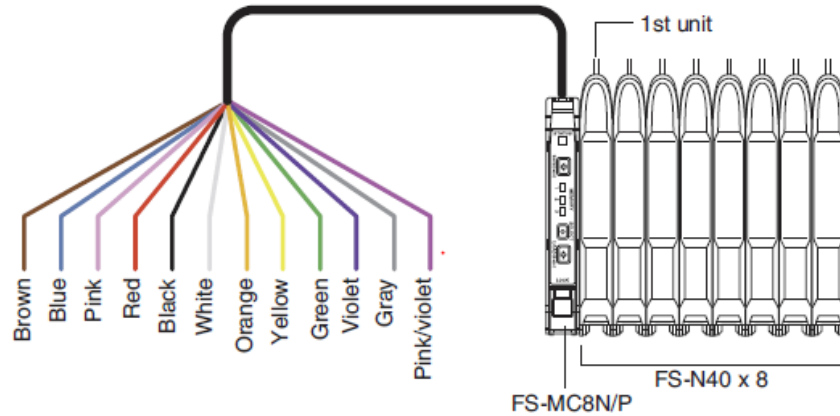


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Wiring Multi-Output Unit

By connecting expansion units to this product, it is possible to send independent control output information from each expansion unit through this device.

The control outputs are assigned to the wire colors in the following table in the order in which the expansion units are connected next to this product.



| | | | |
|--------------|------|--------------|---------------|
| Brown | Blue | Pink | Red |
| Power supply | 0 V | Common input | Common output |

| | | | | | | | |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Black | White | Orange | Yellow | Green | Violet | Gray | Pink/violet |
| Unit 1 output | Unit 2 output | Unit 3 output | Unit 4 output | Unit 5 output | Unit 6 output | Unit 7 output | Unit 8 output |

Part Names and Functions

SAVE button
Save the settings of the connected expansion units.

SELECT button
Select the memory number.

LOAD button
Write settings to the connected expansion units.

STATUS indicator

| Display status | Product status |
|------------------|---|
| Green (lit) | Normal operating status |
| Off | Power OFF |
| Green (blinking) | SAVE, LOAD, or initialization being performed |
| Red (blinking) | Error status |

MEMORY indicators
The indicator whose memory number matches the expansion units model configuration and settings will be lit (in orange). While a memory number is selected, the corresponding memory indicator blinks.

LOCK indicator/button
This is both an indicator and a button. It lights (in orange) when the operation of the buttons are disabled.

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Saving Settings

Basic Save Operation

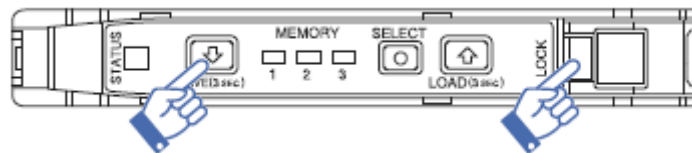
Up to three sets of settings for the expansion units connected to this product can be saved.

1. Press the **SELECT** button to select the memory number in which to save the settings. (Each time the **SELECT** button is pressed, the memory number that is blinking changes.)
2. With the desired **MEMORY** indicator blinking, hold down the **SAVE** button for 3 seconds or more.

Save Lock Function

This function prevents incorrect operations of the **SAVE** button and only the **SAVE** button. By using the **LOCK** button at the same time that the settings are saved, it can be ensured that it is not easy to overwrite the settings.

1. Press the **SELECT** button to select the memory number in which to save the settings. (Each time the **SELECT** button is pressed, the memory number that is blinking changes.)
2. With the desired **MEMORY** indicator blinking, hold down the **LOCK** button and the **SAVE** button for 3 seconds or more.



- To overwrite the settings, perform the save lock function operation again. (The settings cannot be saved by just pressing the **SAVE** button.)
- To cancel the save lock function, initialize the settings. (By initializing the settings, this product will return to its factory default state.)
- Standard for EMI is to save build settings to memory slot 3 using Save Lock Function.

Loading Settings

Write the saved settings on this product to the connected expansion units.

1. Press the **SELECT** button to select the memory number in which the settings to write have been inserted. (Each time the **SELECT** button is pressed, the memory number that is blinking changes.)
 2. With the desired **MEMORY** indicator blinking, hold down the **LOAD** button for 3 seconds or more.
- An error will occur if the settings to write do not match the number of expansion units, the expansion unit models, and/or the position in which the expansion units are connected.

Locking Settings

Disable button operations not only on this product but also on all expansion units that are connected to this product.

- Hold down the **LOCK** button for 3 seconds or more.
 - Cancel: Use the same procedure.

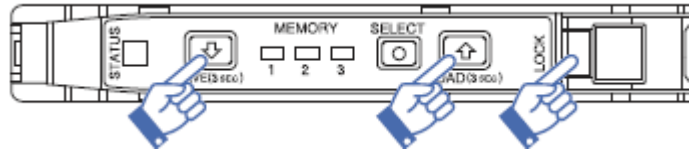
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Advanced Functions

Setting Initialization

Initialize all the settings and return this product to its factory default state.

- Hold down the SAVE button, LOAD button, and LOCK button for 3 seconds or more.



The connected expansion units are not initialized.

Common Input

A common external input signal can be sent to the expansion units that support external input by controlling the common input (pink wire) of this product.

- For details on the expansion units that support the common input, see Keyence manual sec. 8.
- If the external input for an expansion unit is already in the ON state, the common external input will be ignored by that unit.

Common Output

When an error occurs on this product or on an expansion unit connected to this product; the common output (red wire) turns ON.

- If the "Limit Detection" or "Limit Setting Output Mode" of an expansion unit is being used, the alarm output of each function will be linked to the common output (red wire).