

# Function Description: Cross Reference

## Steps

This function is used to locate where an element is used within a project.

- ① Open the Cross Reference Tab Page.
- ② Enter the element name you want to set in the Reference Target field.
- ③ Confirm the Location of the element.

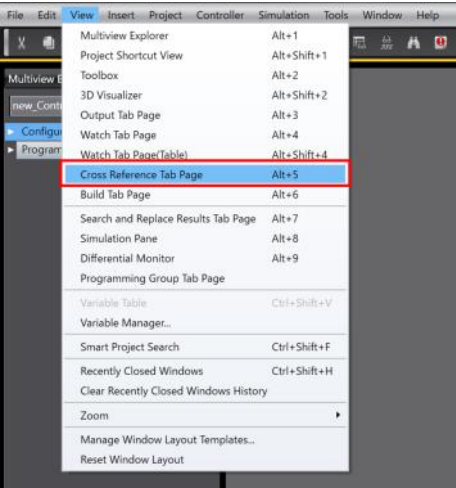
The following elements can be located with this function.

- Variables
- Data types
- I/O ports
- Functions
- Function blocks

## Detailed Steps

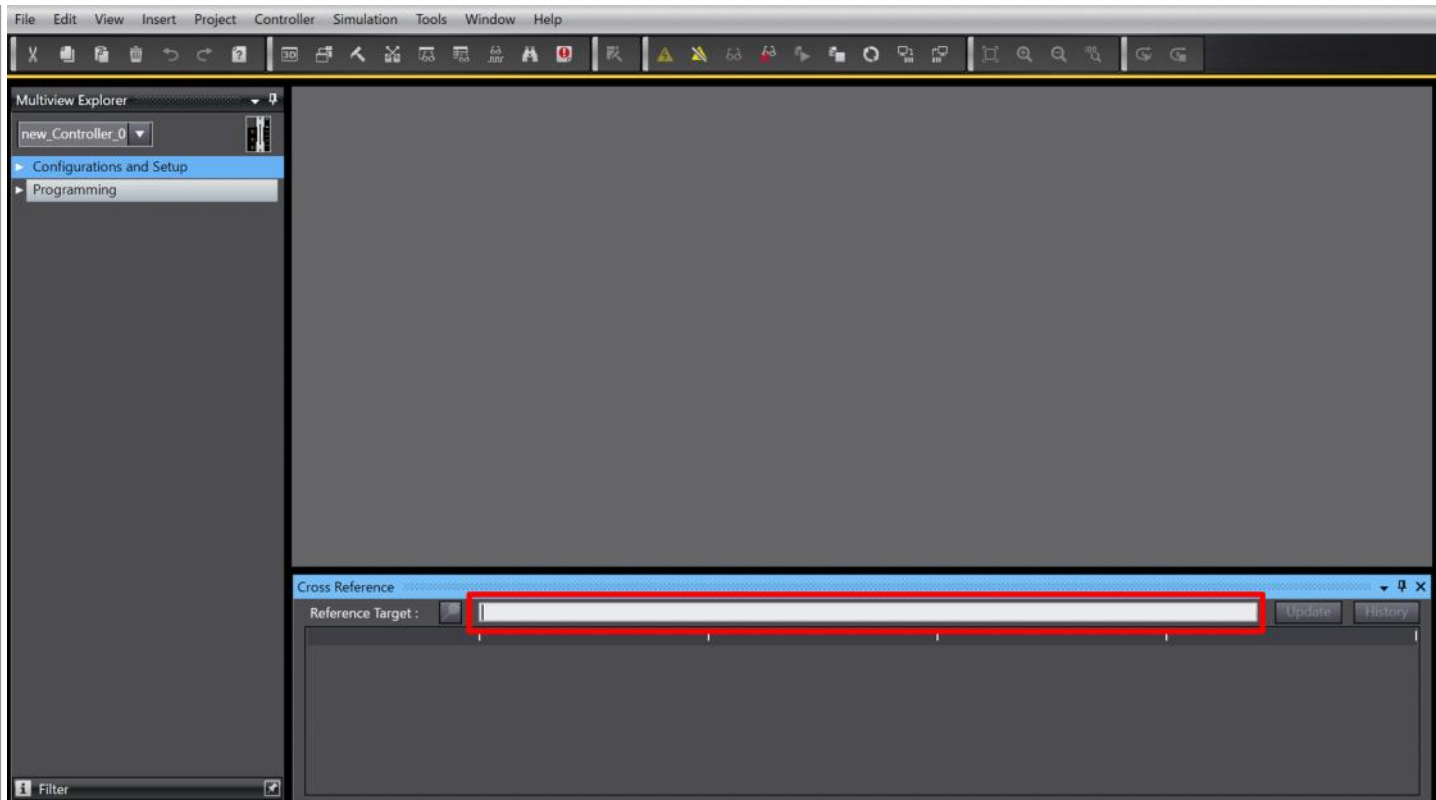
### ① Open the Cross Reference Tab Page.

Click [View] - [Cross Reference Tab Page] from the menu bar (or press Alt + 5 on the keyboard).



### ② Enter the element name you want to set in the Reference Target field.

Enter the element name in the red square field or select the element on the program if at least one element is known.



### ③ Confirm the Location of the element.

You can check the program in which the element is used in the "Location" column.

Also, when you click on the item you want to check in the cross reference list, the location where that item is used appear in the Edit Pane.

\* Moving the mouse over the ladder editor will switch to displaying other elements.  
Press the [Lock] button shown in the red circle below if you want to investigate a specific element.  
Also, pressing the [Update] button on the far right will update the status display.

The screenshot shows the Sysmac Studio environment with a ladder logic diagram in the Edit Pane. The diagram consists of four rungs. Rung 0 has a normally open contact labeled 'In1' with a value of 10, and a normally closed contact labeled 'In2' with a value of 35. Rung 1 has a normally open contact labeled 'In1' with a value of 10, and a normally open contact labeled 'In2' with a value of 35. Rung 2 has a normally open contact labeled 'In1' with a value of 10, and a normally open contact labeled 'In2' with a value of 45. Rung 3 has a test coil labeled 'TEST1' and a set coil labeled 'Temp' with a value of 10. The Cross Reference panel at the bottom shows a table with the following data:

Item	Location	Detail	Reference
Temp	Program0.Section0	0	<.In1 (In
Temp	Program0.Section0	1	>=.In1 (In
Temp	Program0.Section0	1	<.In1 (In
Temp	Program0.Section0	2	>=.In1 (In
Temp	Program0.Section0	3/1	Temp := 10 ; <Inline ST>
Temp	Program0.Section0	4/1	Temp := 20 ; <Inline ST>

### Remarks