SYSMAC 1.24 UPDATE

GELİŞTİRİLEN ÖZELLİKLER:

1. Search and replace'de getirilen yenilikler
2. Ladder içindeki st ekranının büyütülmesi
3. Data trace ekranında, variable-graph gösterimindeki ayarlamalar sayesinde, ilişkilerin daha iyi kurulması
4. Shortcut tuşlarının custom olarak ayarlanabilmesi
5. Ayrı projede oluşturulan NA ekranının, Sysmac projesinin içine kopyalanabilmesi
6. Manuel indirme sayfasına Sysmac Studio üzerinden yönlendirme

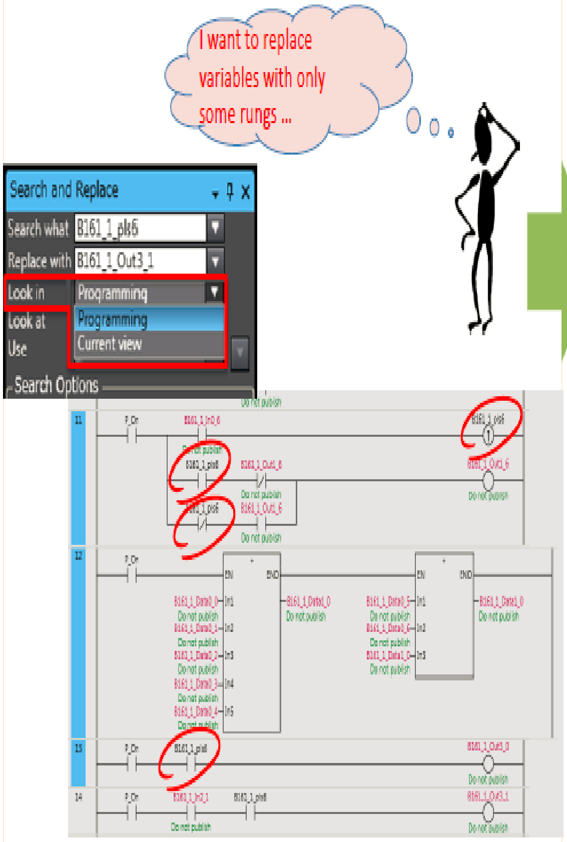
2. Enhanced/Improved Functions of Sysmac Studio V1.24

Search and Replace scope can be specified in more detail.

From:

The scope of Search and Replace is selectable from "Programming" or "Current view". If you want to replace variables in only some rungs due to change of specification, you need to replace the variables one by one.

I want to replace variables with only some rungs ...


Search and Replace
Search Options

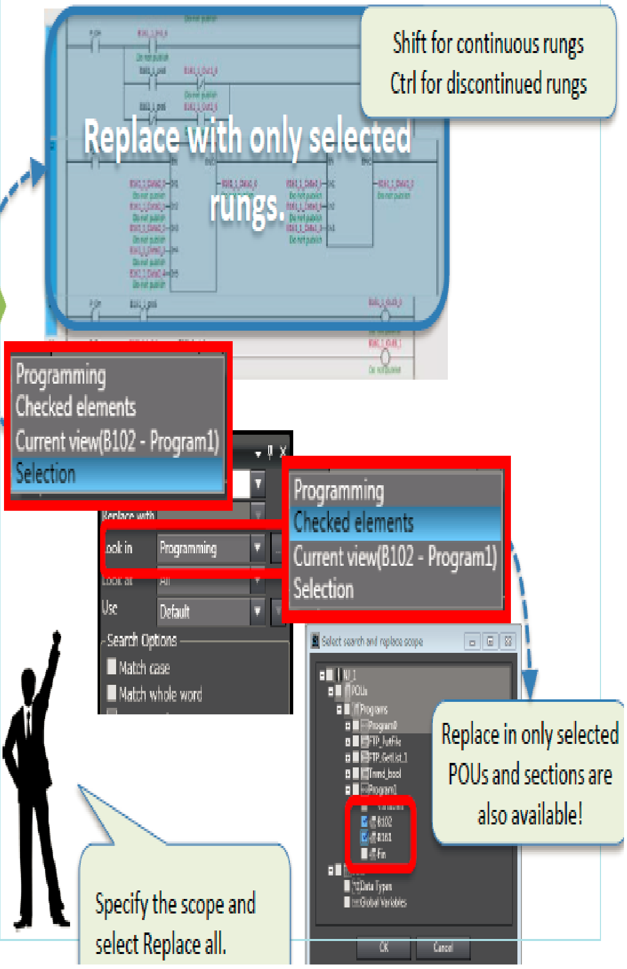
Search what: B161_1_pls6
Replace with: B161_1_Out3_1
Look in: Programming
Look at
Use

Look in options:
- Programming
- Current view

To:

Replace in only search scope is now possible.
- Selection: Select rungs of programs or lines before replace.
- Checked elements: Select POU or sections before replace

You can complete partial replacement by just selecting "Replace all".


Replace with only selected rungs.
Replace with
Search Options
Match case
Match whole word
Select search and replace scope
OK
Cancel

Look in options:
- Programming
- Checked elements
- Current view(B102 - Program1)
- Selection

Look in: Programming
Look at: All
Use: Default

Shift for continuous rungs
Ctrl for discontinued rungs

Replace in only selected POUs and sections are also available!

Specify the scope and select Replace all.

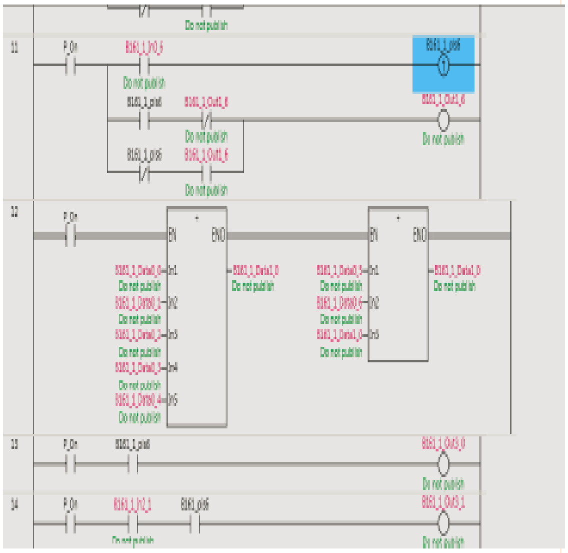
2. Enhanced/Improved Functions of Sysmac Studio V1.24

Searched items are highlighted, which helps you to view the locations of the searched items.

From:

If there are a lot of variables in the window, it is hard to find one. You need to search the variable one by one.

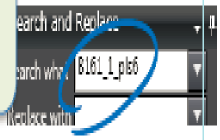
?
Where does this variable affect?
How can I find it?
Cross-reference? Search?

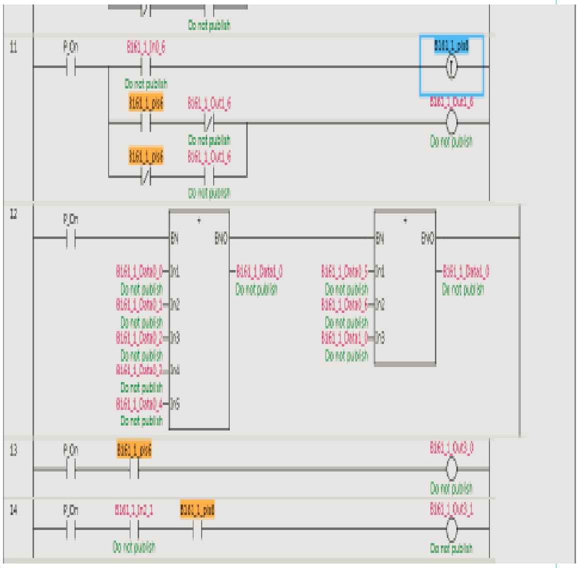


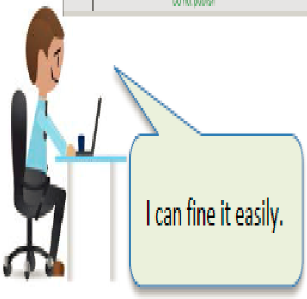
To:

If you search a variable, the variable is all highlighted in the view. You can find the variable at once.

While a text string to search is entered, all searched items are highlighted even after you move to another window.


earch and Replace
earch wha
B161_1_pls6
Replace with



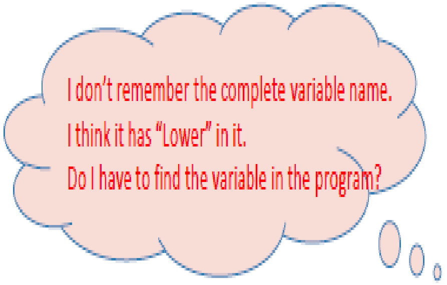

I can fine it easily.

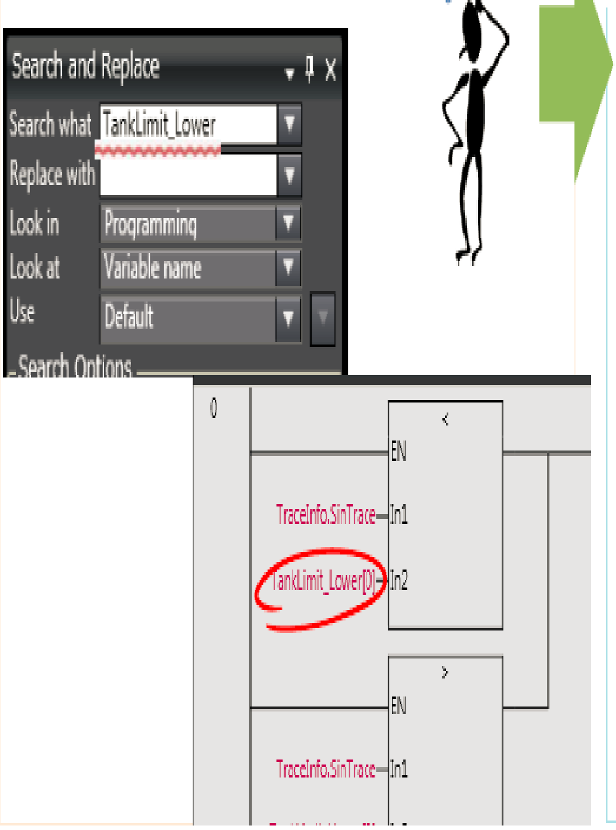
2. Enhanced/Improved Functions of Sysmac Studio V1.24

List of most likely variables found from the entered text string is shown for Search function.

From:

You need to enter the complete name of a variable to search it. If you don't remember the variable name because it is very long, you can't search it.


I don't remember the complete variable name.
I think it has "Lower" in it.
Do I have to find the variable in the program?


Search and Replace
Search Options
0
<
>
EN
In1
In2

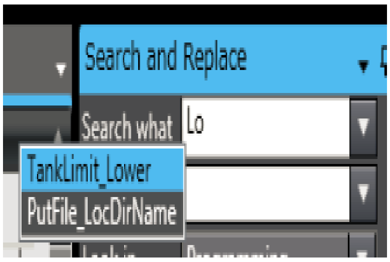
Search what: TankLimit_Lower
Replace with:
Look in: Programming
Look at: Variable name
Use: Default

TraceInfo.SinTrace — In1
TankLimit_Lower[0] — In2
TraceInfo.SinTrace — In1

To:

If you enter a text string, the list shows variables that include the entered text string. You can select one from the list.
You can find the variable by the characters in the middle of the variable name.

Yes, this one!!


Search and Replace
TankLimit_Lower
PutFile_LocDirName

Search what: Lo

If you enter a text string that you remember, candidates are shown.

*Select Variable name for Look at.

2. Enhanced/Improved Functions of Sysmac Studio V1.24 OMRON

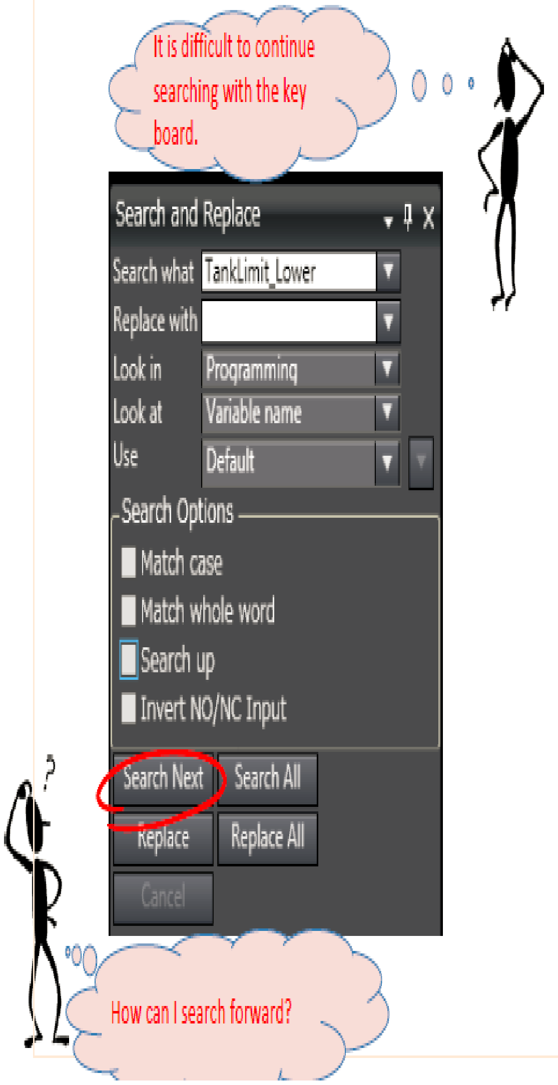
Mouse-free continuous search operation is now available.

From:

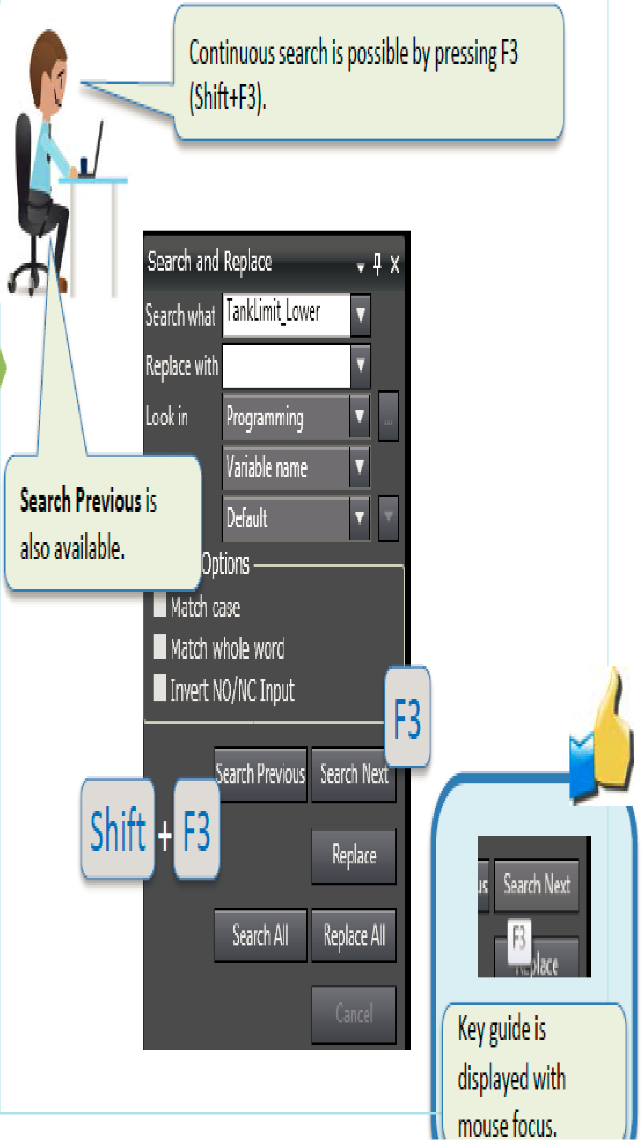
If you search a variable in series, you need to use a mouse or press Alt + N keys.
Keys to search forward is unknown.

To:

Press F3 and Shift+F3 for Search Next and Search Previous, respectively. Search Previous button is newly added.


It is difficult to continue searching with the key board.
Search and Replace
Search what
Replace with
Look in
Look at
Use
Search Options
Match case
Match whole word
Search up
Invert NO/NC Input
Search Next
Search All
Replace
Replace All
Cancel
How can I search forward?

Search what: TankLimit_Lower
Look in: Programming
Look at: Variable name
Use: Default


Search and Replace
Search what
Replace with
Look in
Options
Match case
Match whole word
Invert NO/NC Input
F3
Search Previous
Search Next
Shift + F3
Replace
Search All
Replace All
Cancel
Search Next
F3
Replace

Search what: TankLimit_Lower
Look in: Programming
Variable name
Default

Continuous search is possible by pressing F3 (Shift+F3).

Search Previous is also available.

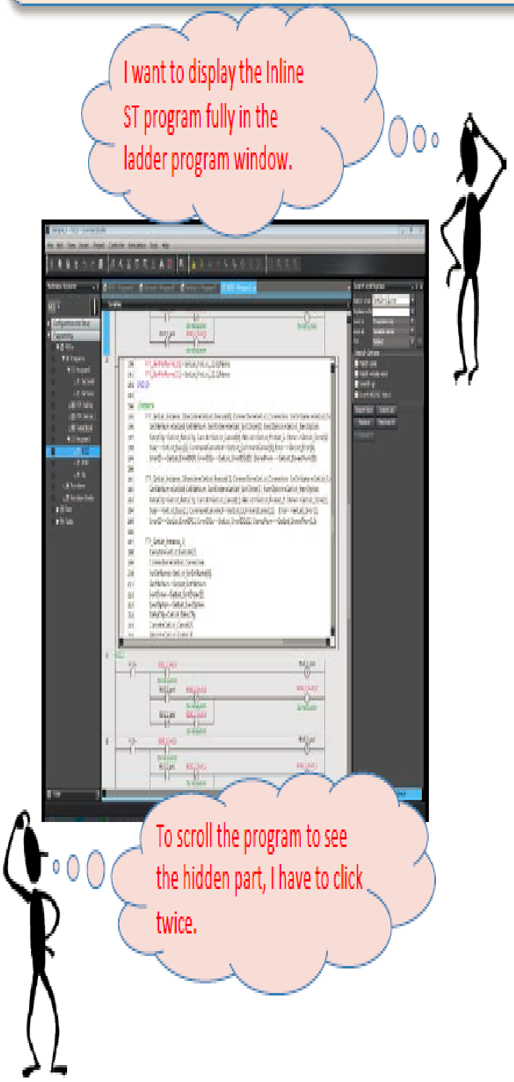
Key guide is displayed with mouse focus.

2. Enhanced/Improved Functions of Sysmac Studio V1.24

Restriction on display size of Inline ST program was cleared. The program can be scrolled if it is selected by the mouse.

From:

A long Inline ST program in horizontal or vertical direction cannot be displayed fully in the ladder program window. To scroll the program, you need to click the Inline ST program twice.



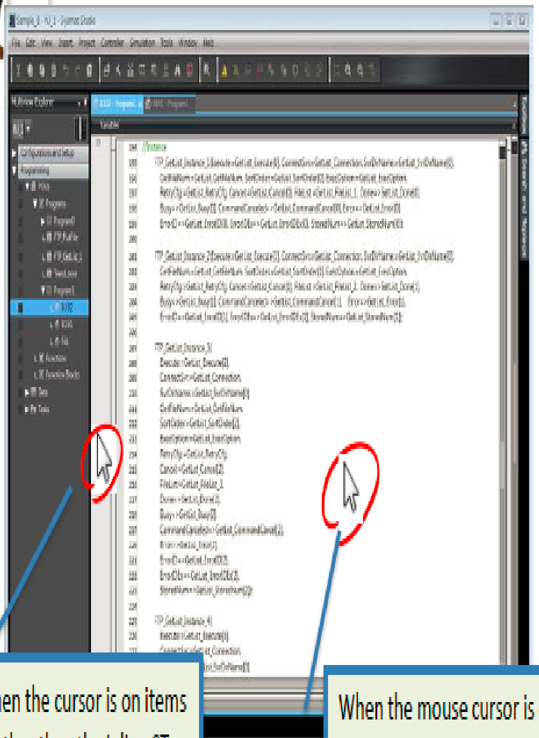
I want to display the Inline ST program fully in the ladder program window.

To scroll the program to see the hidden part, I have to click twice.

To:

Restriction on display size of Inline ST program was cleared and it is now displayed fully in the ladder window. If the mouse cursor is placed on the Inline ST program, you can scroll the program with the mouse wheel.

Visibility was improved because the Inline ST program is now displayed fully in the window.



When the cursor is on items other than the Inline ST program, you can scroll the ladder program window.

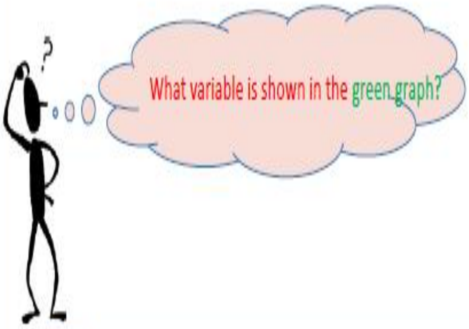
When the mouse cursor is on the Inline ST program, the program can be scrolled with the mouse wheel.

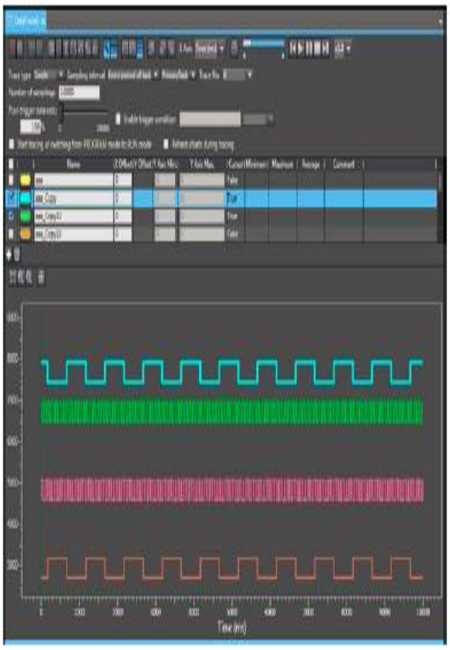
2. Enhanced/Improved Functions of Sysmac Studio V1.24

Data analysis becomes easier with data trace results.

From:

To confirm the relationship between graphs and variables, the user needs to check the colors in the variable table above the graphs. Some variables are not listed in the table. It is difficult to analyze the trace data.

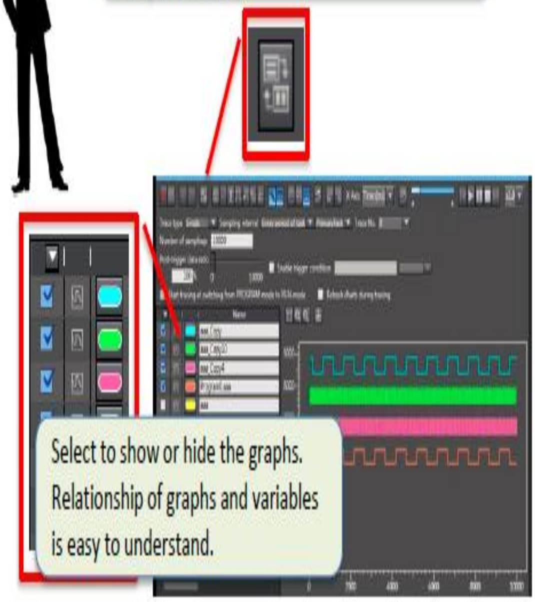

What variable is shown in the green graph?



To:

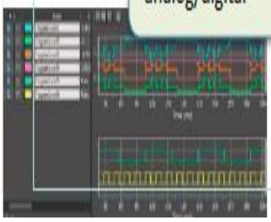
Variable table can be moved to the side of the graphs by just clicking the button.
You can show/hide the graphs by selecting checkboxes and sort the variables by digital/analog. Relationship of graphs and variables are visible.

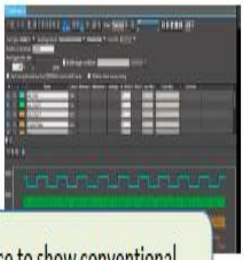
By just clicking the button, variable table is displayed by the graphs. It is convenient to analyze the data.



Select to show or hide the graphs.
Relationship of graphs and variables is easy to understand.

Sort by analog/digital





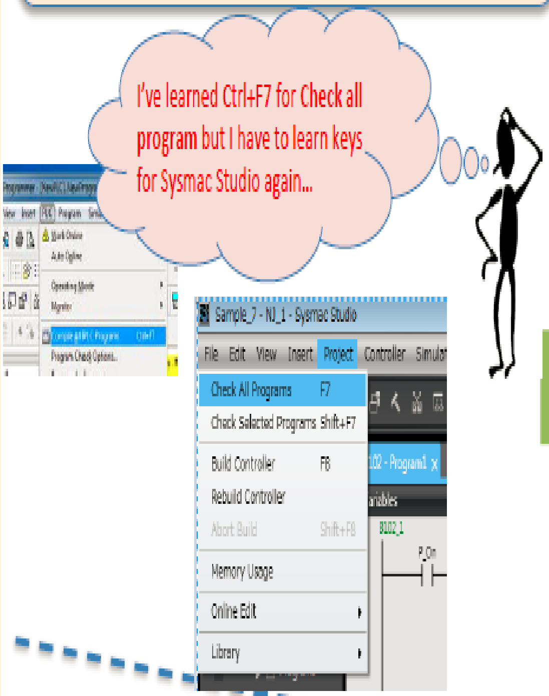
Click once to show conventional variable data

2. Enhanced/Improved Functions of Sysmac Studio V1.24

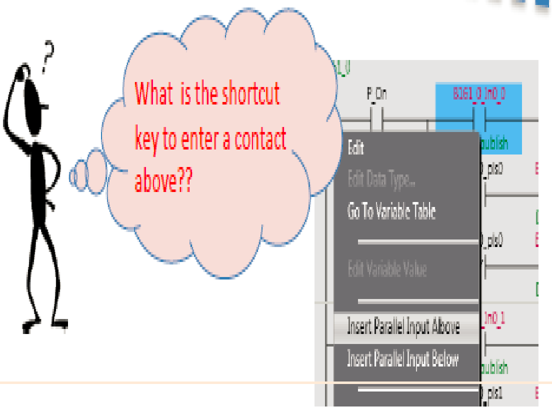
Shortcut keys can be freely customized.

From:

Factory default shortcut keys are assigned to the command. The user has to learn new key assignment. However, key assignment is unknown.



I've learned Ctrl+F7 for Check all program but I have to learn keys for Sysmac Studio again...
Sample_7 - NJ_1 - Sysmac Studio
File Edit View Insert Project Controller Simulat
Check All Programs F7
Check Selected Programs Shift+F7
Build Controller F8
Rebuild Controller
Abort Build Shift+F8
Memory Usage
Online Edit
Library



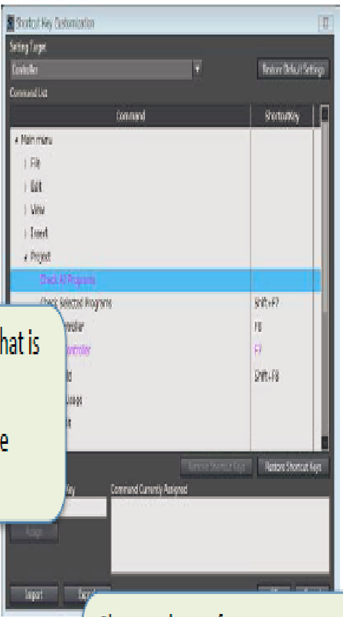
What is the shortcut key to enter a contact above??
Edit
Edit Data Type...
Go To Variable Table
Edit Variable Value
Insert Parallel Input Above
Insert Parallel Input Below

To:

Shortcut keys for **Main Menu** and **Ladder Editor** can be changed. You can use the shortcut keys that you are familiar with.

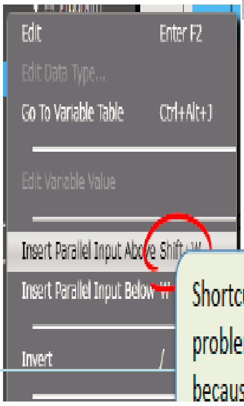
The menu shows the information of shortcut keys.

I will assign shortcut keys that I familiar with.



Shortcut Key Customization
Setting Target
Controller
Restore Default Settings
Command List
Command
Shortcut key
Main menu
File
Edit
View
Insert
Project
Check All Programs
Check Selected Programs
Shift+F7
F8
F7
Shift+F8
Command Currently Assigned
Import
Export

You can check the command that is originally assigned to the key. (Multiple commands cannot be assigned to the same key.)



Edit Enter F2
Edit Data Type...
Go To Variable Table Ctrl+Alt+J
Edit Variable Value
Insert Parallel Input Above Shift+W
Insert Parallel Input Below
Invert /

Shortcut keys of
- **Main Menu commands**
- **Ladder Editor commands**

can be changed.

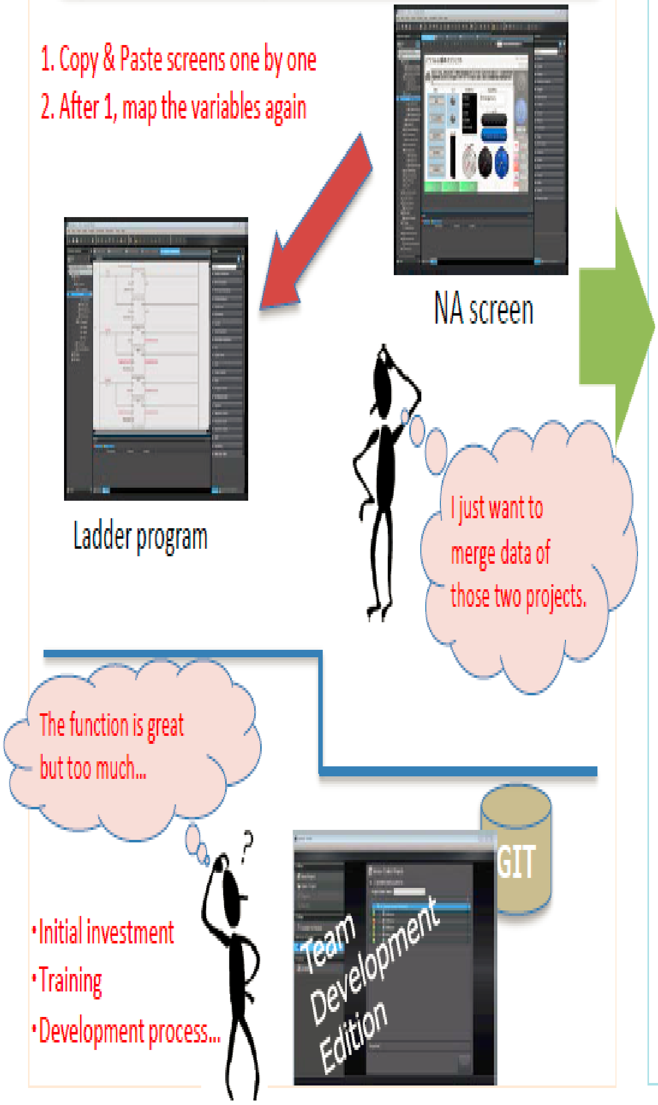
Shortcut keys are shown by the menu. It will be no problem even if you forget the new assignment because keys after change are shown.

2. Enhanced/Improved Functions of Sysmac Studio V1.24

A ladder program and an NA project can be developed concurrently. Use NA data import/export function to merge them.

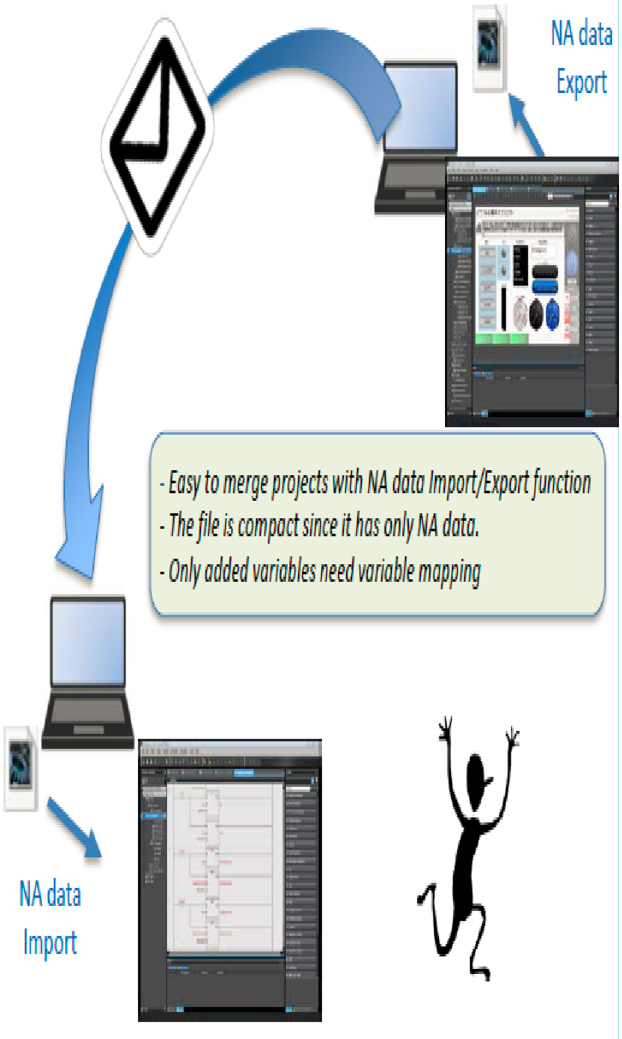
From:

If the ladder program and NA screen data are separately developed by two people, they need to copy and paste the screen data one by one to merge the projects. Sysmac Studio Team Development Option has too many functions.


1. Copy & Paste screens one by one
2. After 1, map the variables again
NA screen
Ladder program
I just want to merge data of those two projects.
The function is great but too much...
?
•Initial investment
•Training
•Development process...
GIT
Team Development Edition

To:

NA screen data can be imported/exported into a file. Simple NA screen data integration will facilitate team development work and improve work efficiency.


NA data
Export
NA data
Import

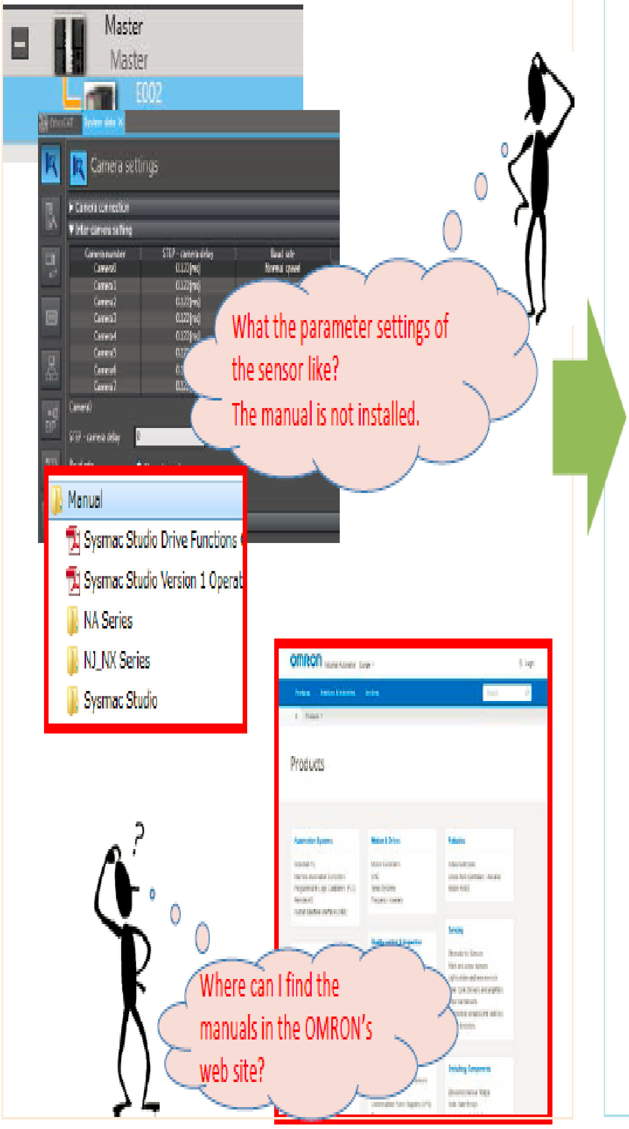
- *Easy to merge projects with NA data Import/Export function*
- *The file is compact since it has only NA data.*
- *Only added variables need variable mapping*

2. Enhanced/Improved Functions of Sysmac Studio V1.24

You can move to the manual download web page from the Sysmac Studio.

From:

All manuals of the device supported by the Sysmac Studio are not installed. I don't know how to download the manual from the web site of OMRON.

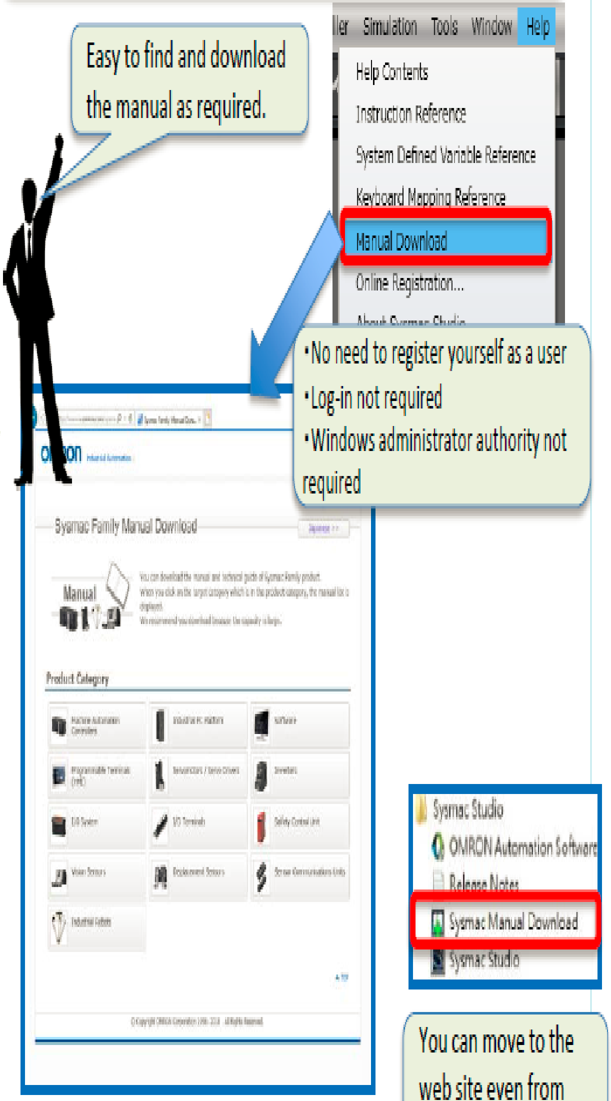

Master
Master
E002
Camera settings
Manual
Sysmac Studio Drive Functions
Sysmac Studio Version 1 Operat
NA Series
NJ_NX Series
Sysmac Studio
Products

What the parameter settings of the sensor like? The manual is not installed.

Where can I find the manuals in the OMRON's web site?

To:

You can move to the manual download web page from the Sysmac Studio. You can find and download the necessary manuals at once.


ller Simulation Tools Window Help
Help Contents
Instruction Reference
System Defined Variable Reference
Keyboard Mapping Reference
Manual Download
Online Registration...
About Sysmac Studio
Sysmac Family Manual Download
Manual
Product Category
Sysmac Studio
OMRON Automation Software
Release Notes
Sysmac Manual Download
Sysmac Studio

Easy to find and download the manual as required.

- No need to register yourself as a user
- Log-in not required
- Windows administrator authority not required

You can move to the web site even from the Start Menu.