



PLCnext

How Use “Fast Edit Mode”

For PLCnext Engineer 2020.3 (and Above)



1. Introduction:

When in Debug Mode and Troubleshooting programs – it may be necessary to make small program or variable changes. Normally, in PLCnext Engineer, to accomplish changes, the programmer needs to leave 'Debug Mode', Go to Component Side of Project, Locate the Program/Tag to modify, the Download again.

This can be a little cumbersome if there are only quick or simple changes.

With version 2020.3 There is a new, faster way to accomplish this. It is called '***Fast Edit Mode***'.

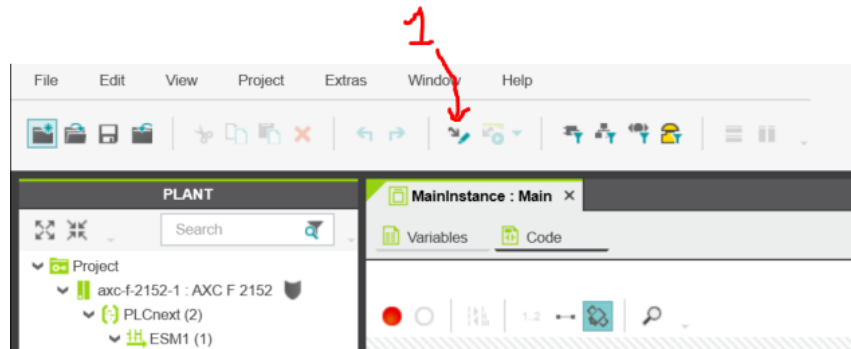
NOTE: Use this mode when making small or simple edits (ie. Changing Variable Values, Contact Types, etc.) If there are large or complex edits, then use the standard mode of editing (Turn Debug Mode Off..Make Modifications...etc...).



1. Entering 'Fast Edit Mode'

When in 'Debug' Mode and Viewing a Program/Variable List of a Running Program from the 'PLANT' Side, one can quickly edit and download program/variable changes.

There is a new ICON inserted on the Top Menu Bar to accomplish this Feature:



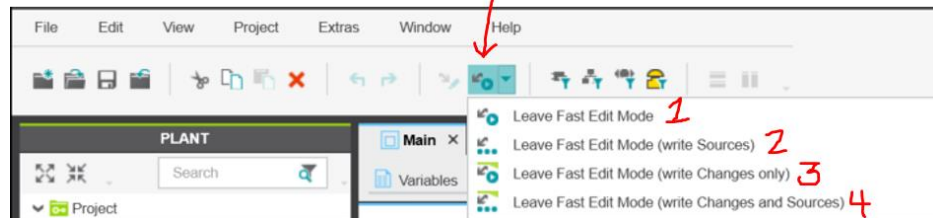
1 – Enter Fast Edit Mode



2. Leaving 'Fast edit Mode'

When edits are completed, one can quickly leave and go back to normal 'Debug' mode.

There is a new ICON inserted on the Top Menu Bar to accomplish this Feature:



There are 4 Options for leaving 'Fast Edit Mode':

1. Stops PLC and Downloads Compiled Code Only.
2. Stops PLC and Downloads Compiled Code AND all Source Files.
3. Does NOT Stop PLC and Downloads Compiled Code Only.
4. Does NOT Stop PLC and Downloads Compiled Code AND all Source Files.

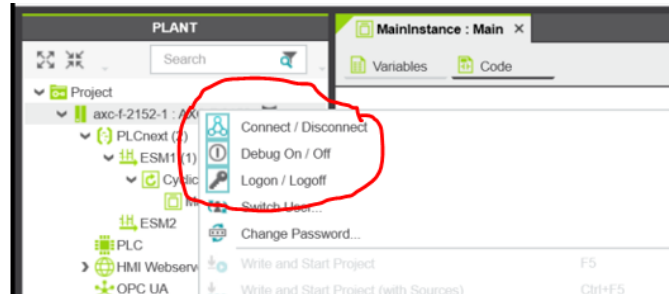
Note: If leaving 'Fast Edit Mode' without making changes OR the changes are cancelled, the PLC will attempt to go back to Debug Mode without stopping – no matter which option chosen.

Any changes to Task Parameters or I/O made during 'Fast Edit Mode' will force Option 1 above when exiting . The PLC Program will stop.

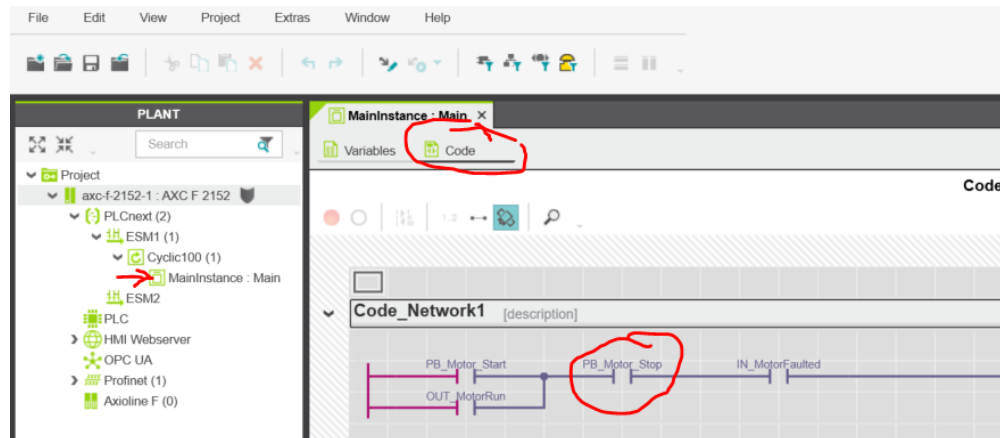
3. Practical Example using 'Fast Edit Mode'

Consider the Following Example:

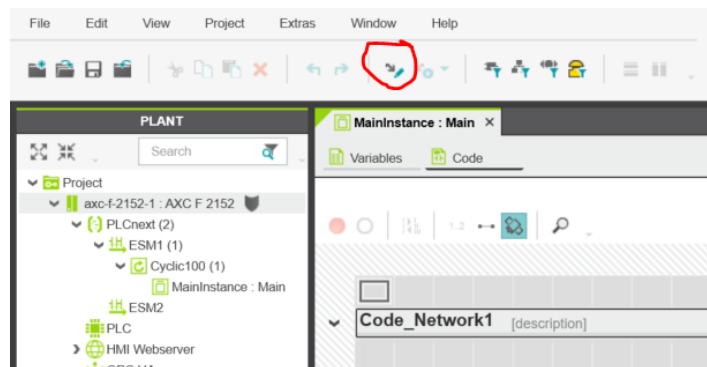
1. A program is compiled (no errors), Downloaded and Running – Debug Mode ON.



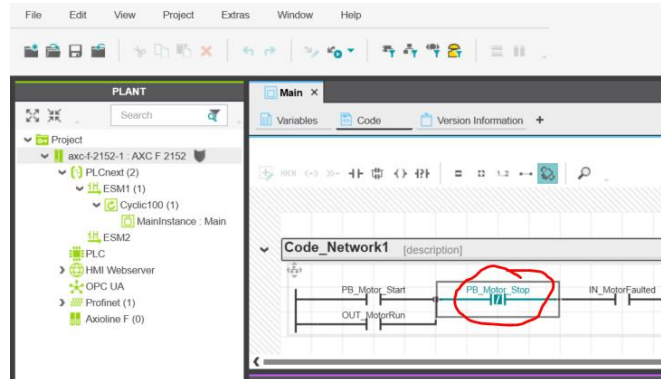
2. Discovered that the program was not working correctly during testing and that PB_Motor_Stop should have been a 'Normally Closed' Contact and needs to be corrected.



3. Click on and enable 'Fast Edit Mode'



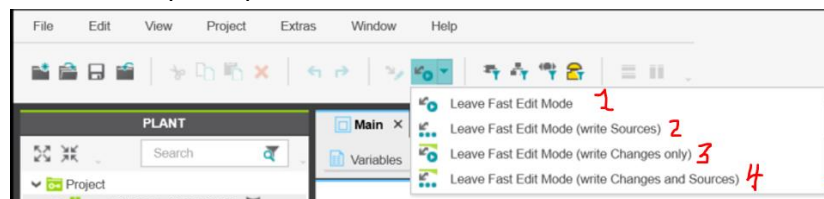
4. Change the contact to a 'Normally Closed Contact'.



As always, PLCnext Engineer compiles continuously for errors. Any errors created or detected at this point will have to be corrected before leaving 'Fast Edit Mode'.

5. Choose 'The Desired Way' to leave 'Fast Edit Mode'

In this example, Option #3 was chosen.



#1. Stops PLC and Downloads Compiled Code Only.

#2. Stops PLC and Downloads Compiled Code AND all Source Files.

#3. Does NOT Stop PLC and Downloads Compiled Code Only.

#4. Does NOT Stop PLC and Downloads Compiled Code AND all Source Files.

6. Program Changes will be compiled. If there are no errors, the changes will be downloaded then normal 'Debug Mode' will be automatically activated.

