TT190406 – FUP - Controller Program Update and Options

1. Sometimes when you try to upload the controller with a different program, you got the following error "The controller program must be updated to version x.xx. Cannot load."

2. The is because the controller you try to upload already has a program with firmware (in this example, 1.056a) higher than the version of your program in FUP (1.054w). This is not possible as we cannot downgrade the controller firmware to suit your program in FUP
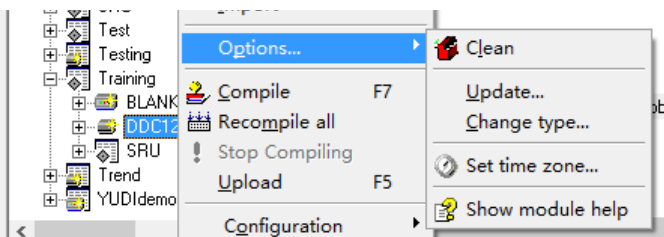

3. So, what you should do is to find another controller with firmware lower or same as your program in FUP. Or, you need to update your FUP program to the same or higher version than your controller firmware version.

4. To update the program, you first select your controller, right click, select "Options", "Update"

5. Select the version you want to update and click "Start Update"

6. Please note that once you update your controller program, you cannot downgrade it. So, please refer to TT190403 to backup your project in FUP before the update

7. Once the update is finished, please "clean" your controller and compile again. To clean the controller, select your controller, right click, select "Options", "Clean"
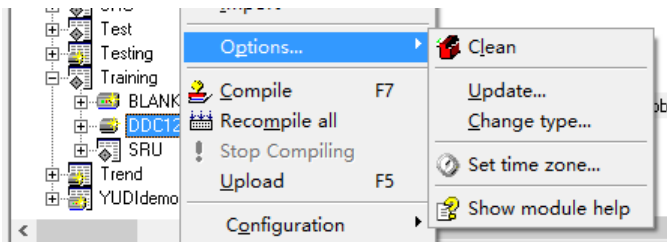
8. Before you upload the update program to your controller, you may consider performing a backup of the controller before that. Please refer to TT190402 if required, especially if the new update program version is higher than the controller firmware version.

9. Under the "Options" menu, there is a function called "Change type", where you can easily change the controller type (e.g. from OPEN 810 to OPEN 600). Select the "New Controller Type" and click "OK" to change it.
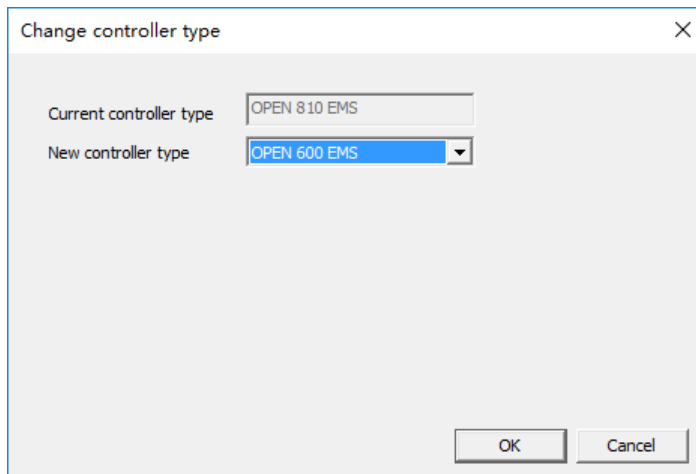
10. Please note that if you try to change an OPEN 600 to OPEN 810, then you may need to manually change the IO points as there is no internal IO module in OPEN 810

11. Also, under the "Options" menu, there is a function called "Show Module Help", where you can display the help file of the FUP module in your controller using a browser. You can also save the HTML page using the browser, so that you can read it later when needed.
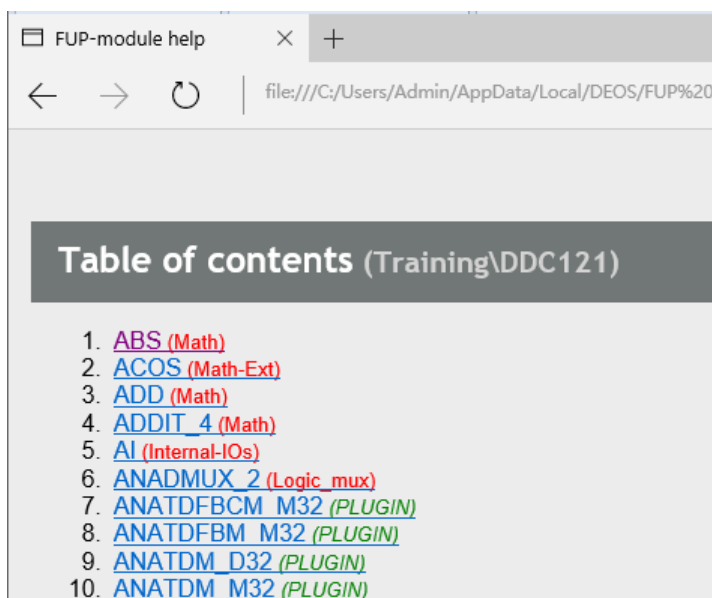
COMPARAT

comparator

purpose

This module compares the values of the variables "i_min" and "i_max". While "i_min" < "i_max", a "1" will be set

FUP module

```
COMPARAT     O
*i min
*i max
       *output
```

i_min   input of lower value   e.g. actual temperature

i_max   input of higher value   e.g. set temperature

output   i_min < i_max   ->   output = 1   e.g. heating

12. Please note that the function "Set Time Zone" is not function with new firmware. You need to set the Time Zone of your controller using browser (please refer to TT180705). This function is only used for controller which is created in FUP 1 with old firmware