

TT191103 – FUP - Alarm Latching and Reset

Note

This Support Knowledge Base article KB is the result of a support request.

It is not part of the official documentation of DEOS AG and does not claim to be complete.

The article is intended to support the solution of a similar problem.

If you have any questions, comments or additions, please contact DEOS AG Support.

Title FUP - Alarm Latching and Reset (TT191103)

Object FUP

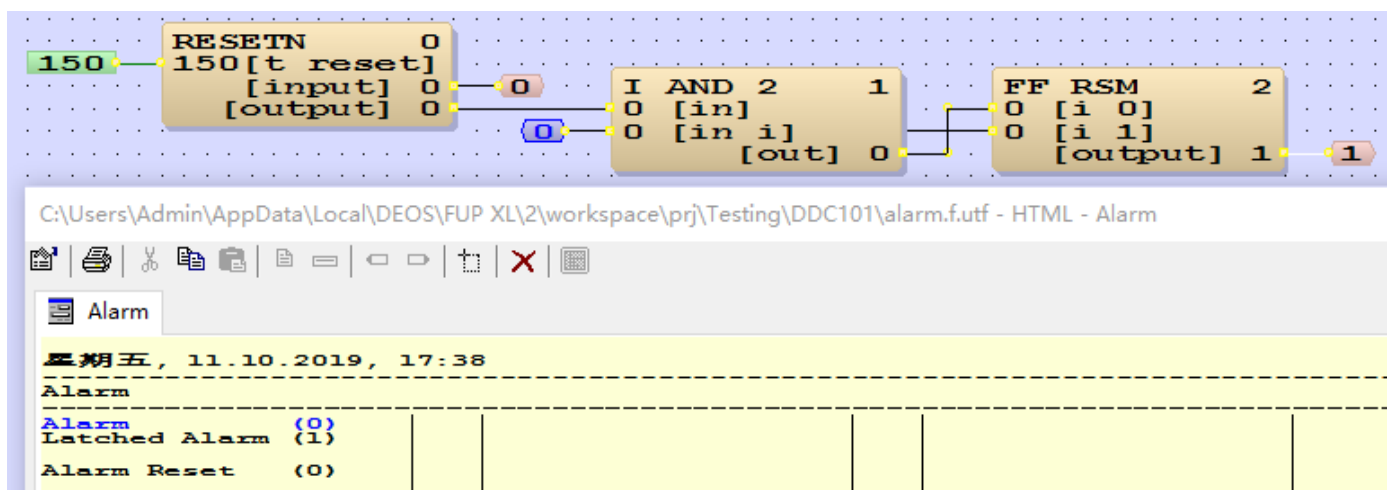
Reference version 2

Date 11.2019

Author EK

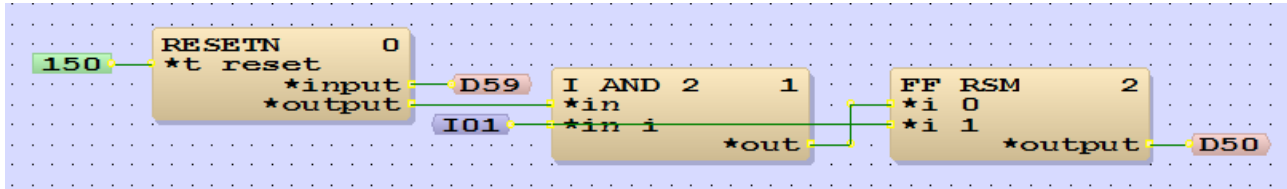
Goal To latch and reset alarm in OPEN EMS

Content:

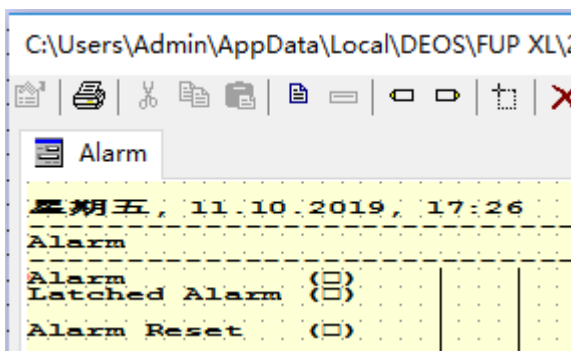


TT191103 – FUP - Alarm Latching and Reset

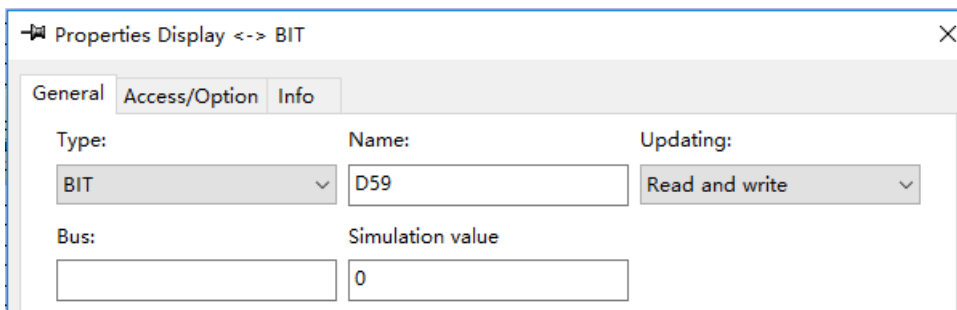
1. Sometimes you may want to latch (hold) the alarm, because it will return to normal very quickly, e.g. status feedback missing alarm, and you also want the operator to reset it manually
2. We can do it using simple logic in FUP. First, add a new FUP page called "alarm.f"
3. Add the below logic in your FUP page



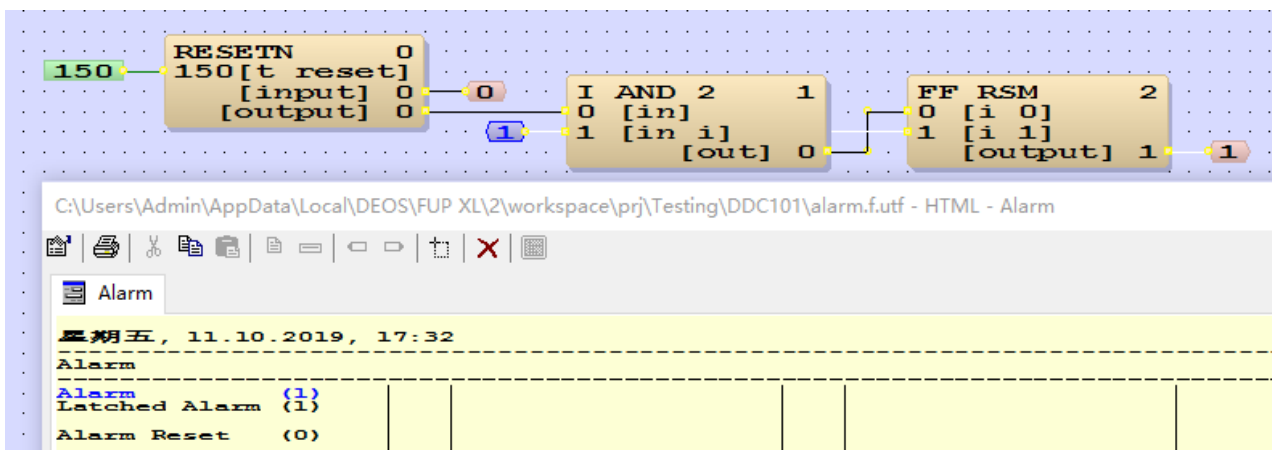
4. "I01" is the alarm input, "D50" is the latched alarm and "D59" is the alarm reset button. They are all type "Bit"



5. Change the “Updating” of “D59” to “Read and write”

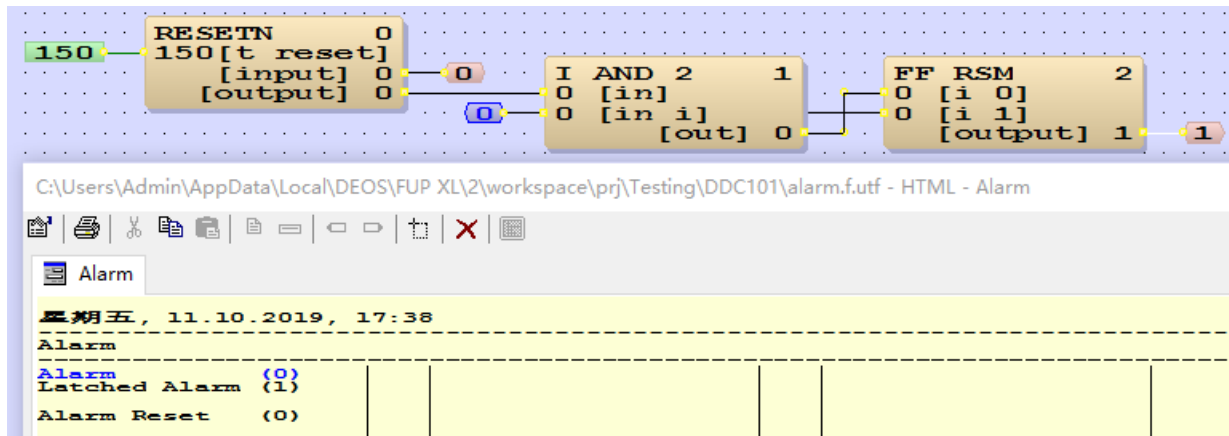


6. Now you can test it in simulation. Change the “Alarm” to 1 and “Latched Alarm” become 1

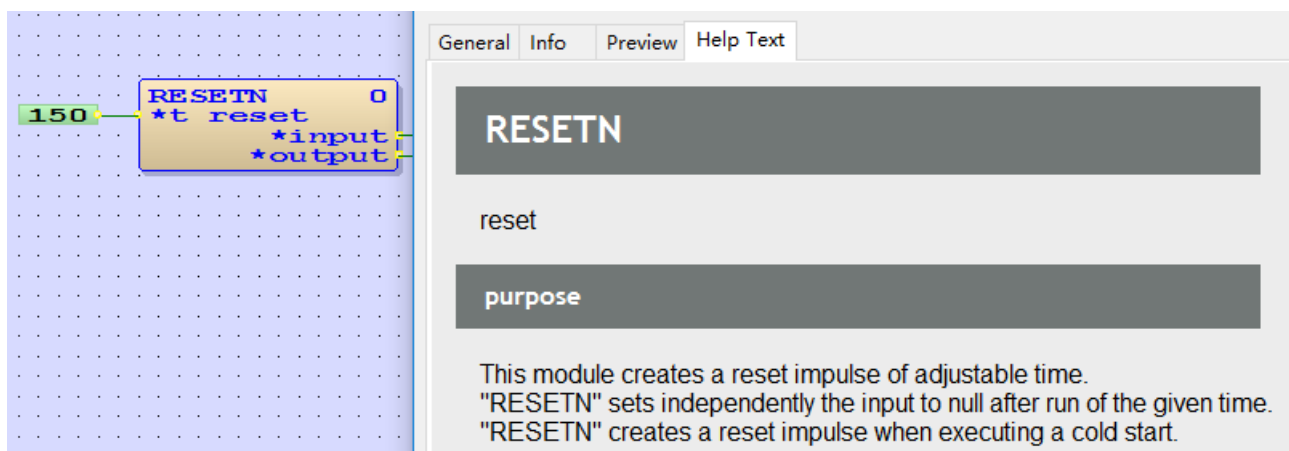


7. Change “Alarm” to 0, and “Latch Alarm” will remain as 1

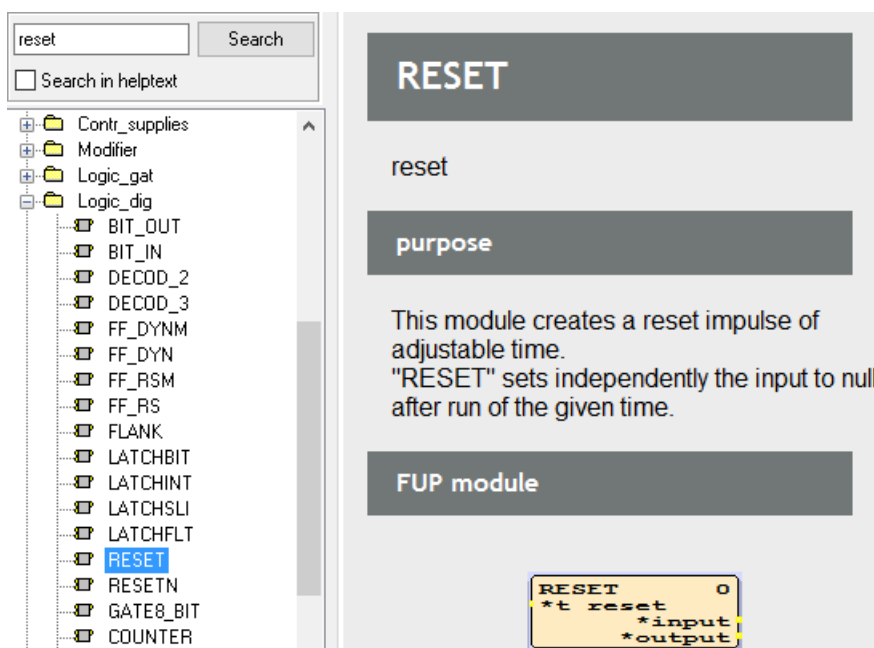
8. Change “Alarm Reset” to 1, and the “Latched Alarm” will reset to 0. Also, “Alarm Reset” will change back to 0 automatically



9. In this example, we use the “RESETN” module, so the alarm will be reset when the controller is restarted, e.g. program upload



10. You can use the “RESET” module if you don’t want this



11. Please refer to TT181201 for alarm message setup