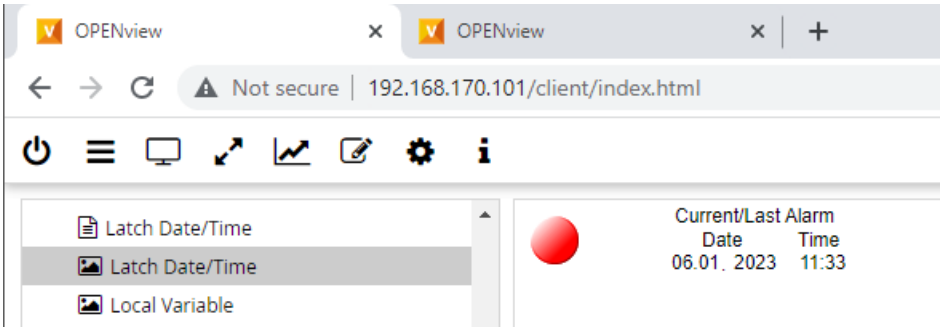
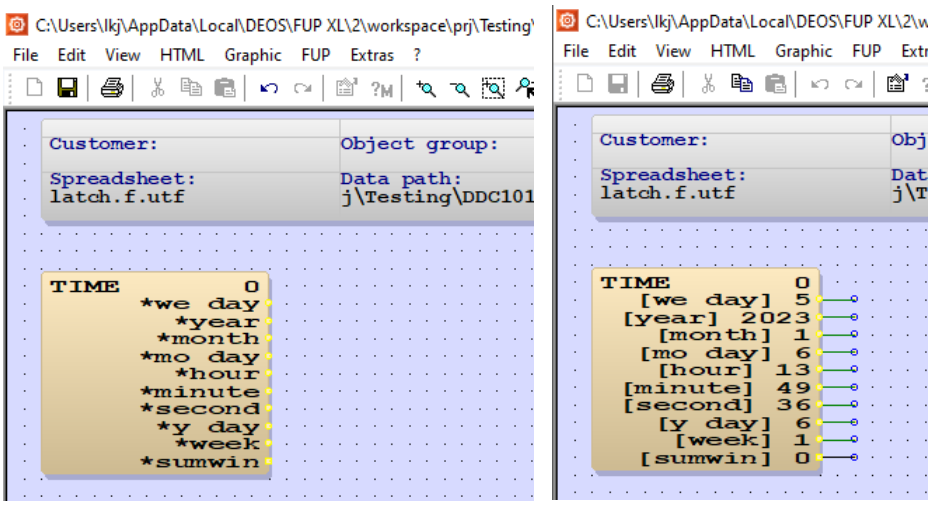
TT230101 – FUP - Alarm Latch Date and Time

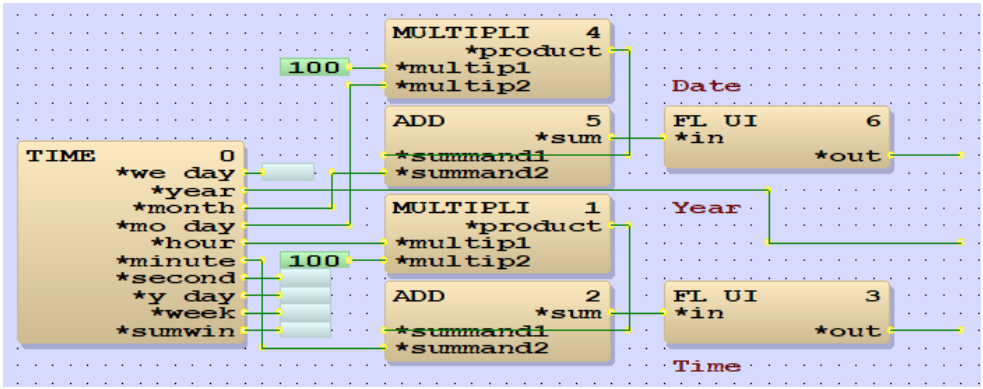
1. In this document, we will show you how to store the date/time for the last alarm and show it on a graphic page.

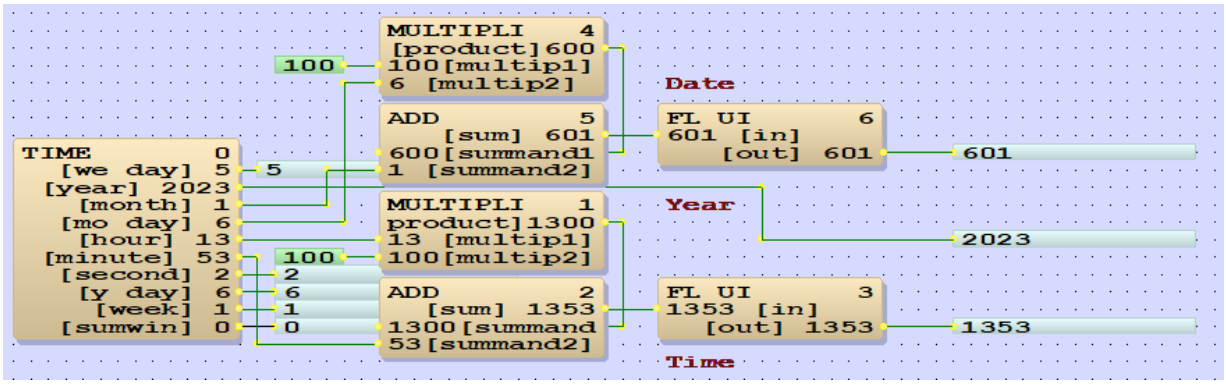


2. First of all, we use the “Time” module to read the current date/time from the controller.

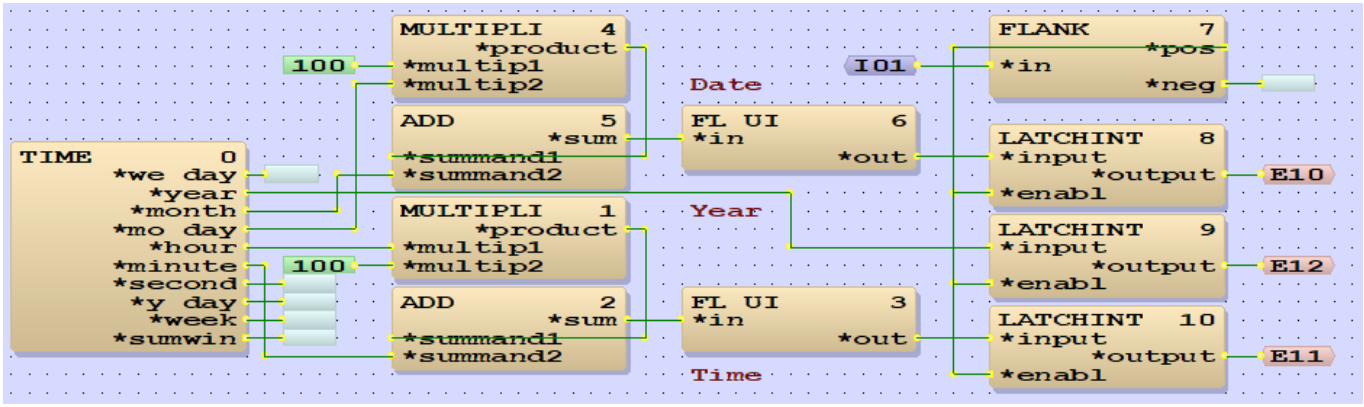


3. Then we do some simple calculation and date type conversion so that we get the current date/time in our required formats.

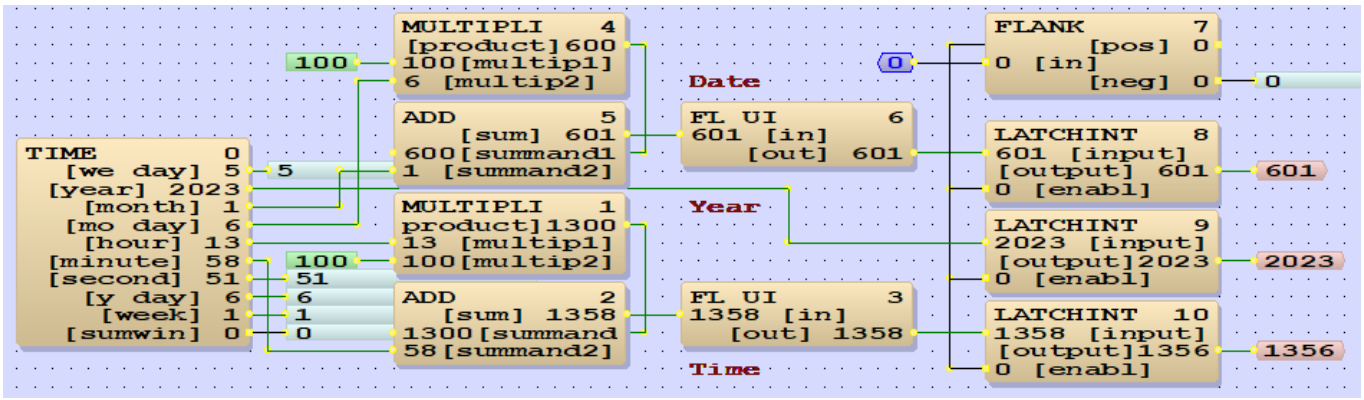




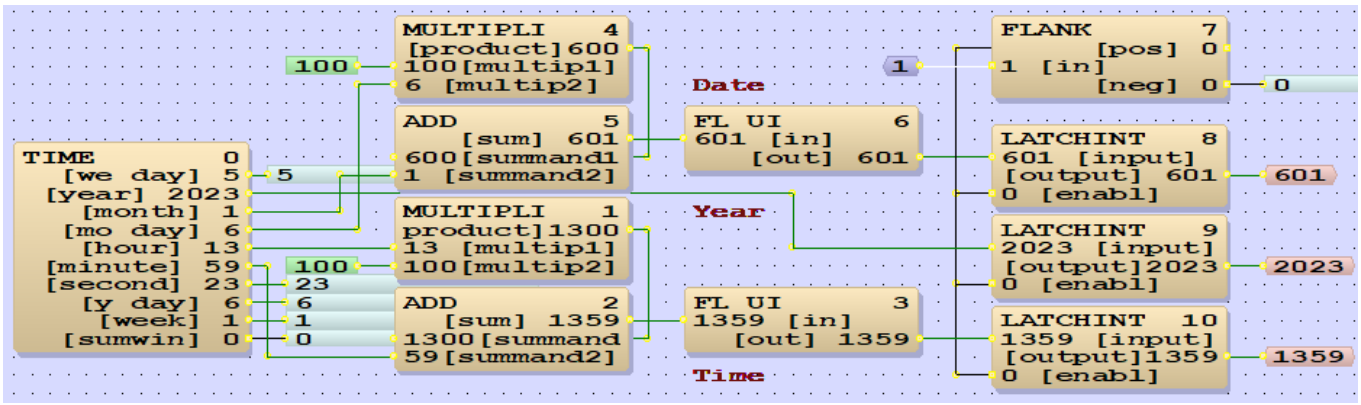
4. Finally we add the “Flank” and “LatchINT” modules to create a pulse when the Input “I01” (e.g. an alarm) occur and latch the date/time at that moment.



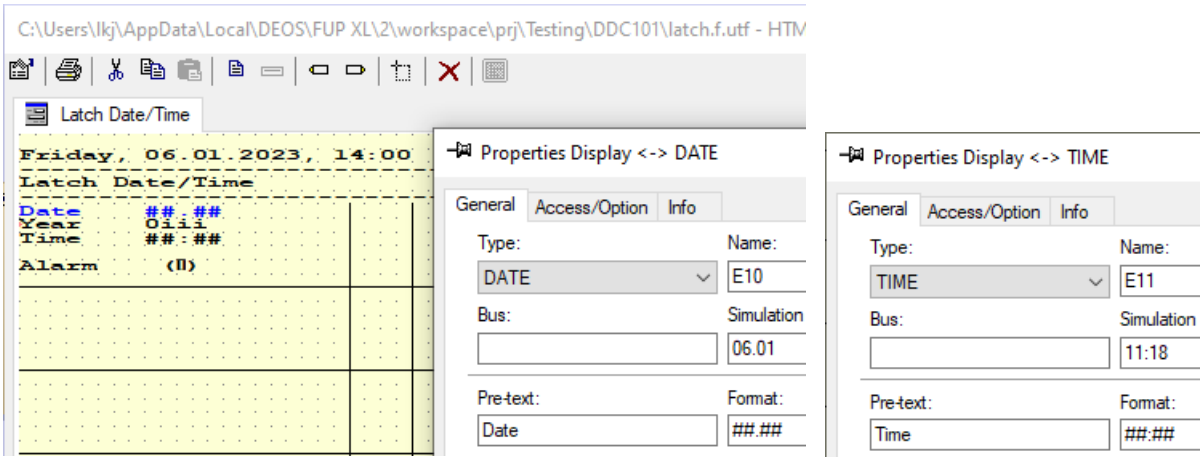
5. When there is no alarm (Input “I01” is 0), the values at “E10” to “E12” are the date/time when the last alarm occurred.

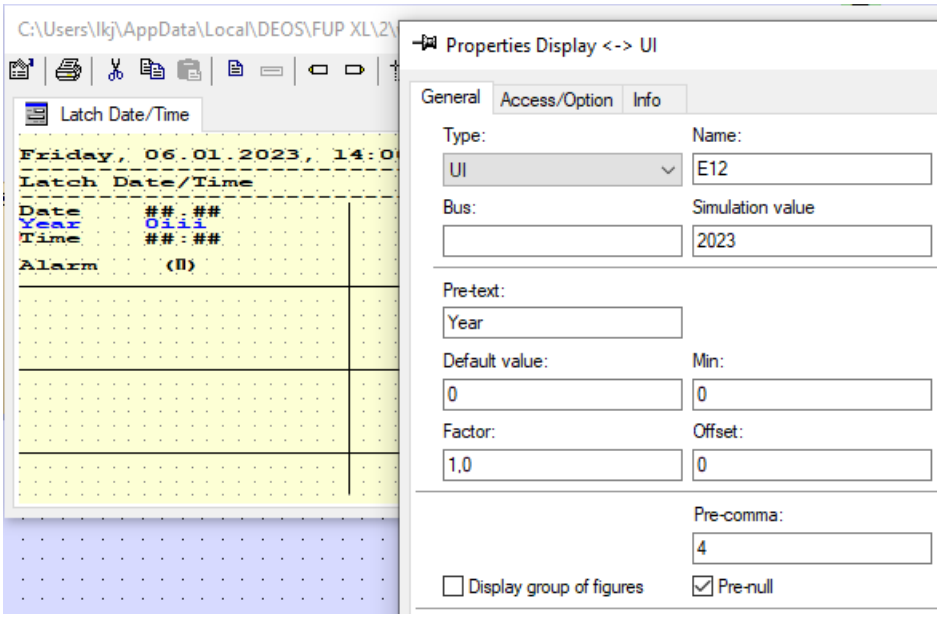


6. When new alarm came in, the values at “E10” to “E12” will be updated with the latest date/time.

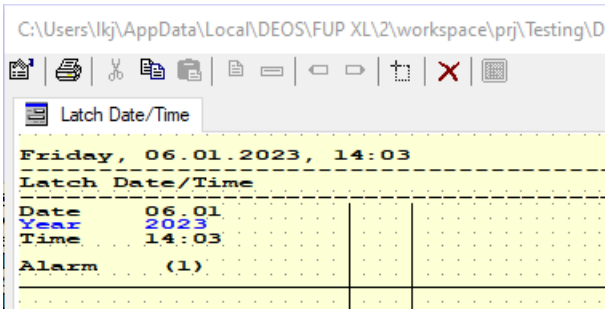


7. In the HTML page, the properties for the date/time values are set like this.

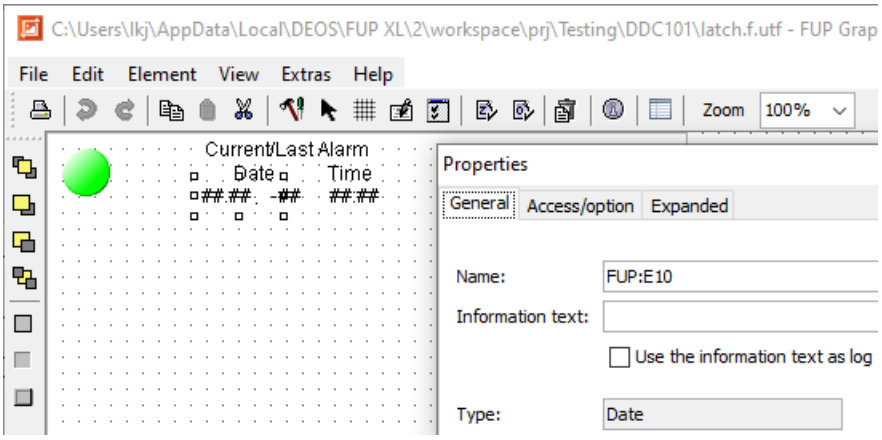


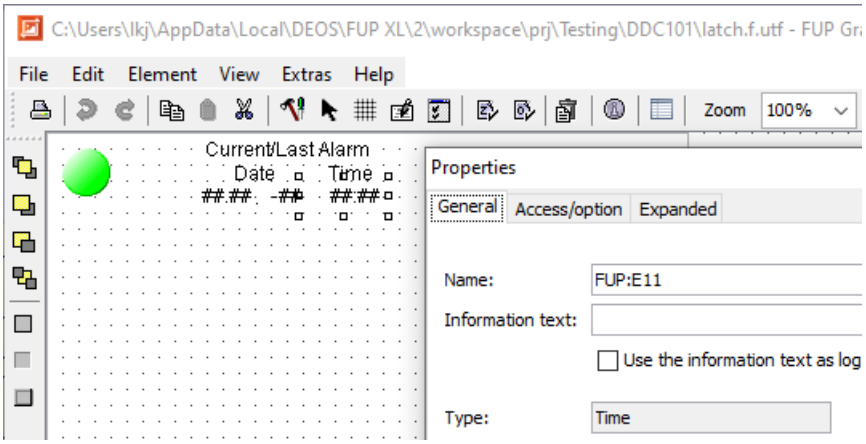


8. You can try it in simulation mode and it looks like this.

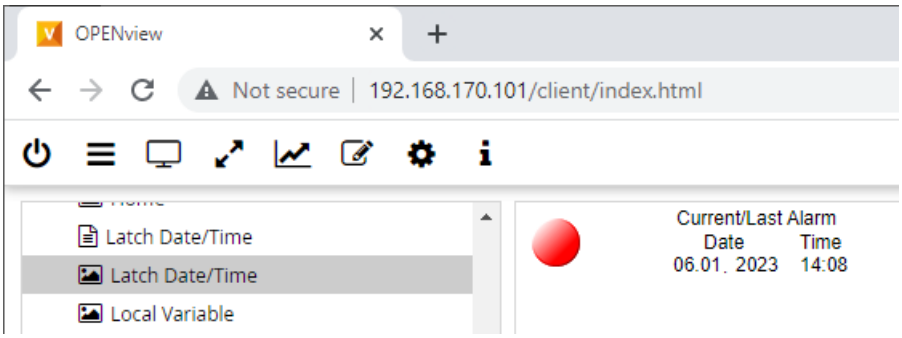


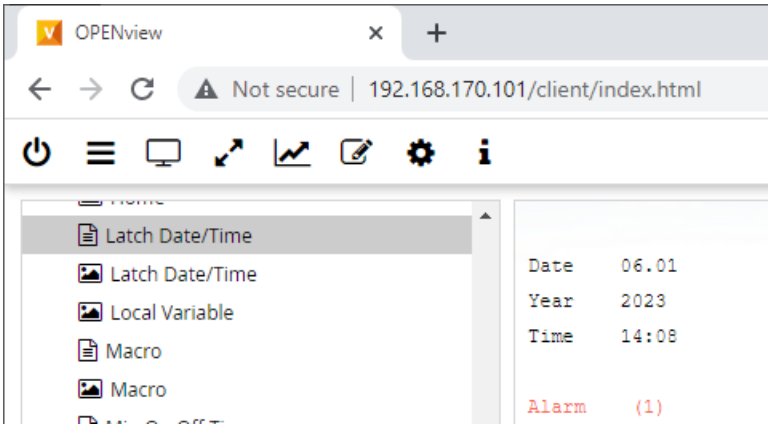
9. In the graphic page, you can use the “Date” graphic element for month/day, and use the “Time” graphic element for the time. For year, just use the normal “Integer” graphic element.



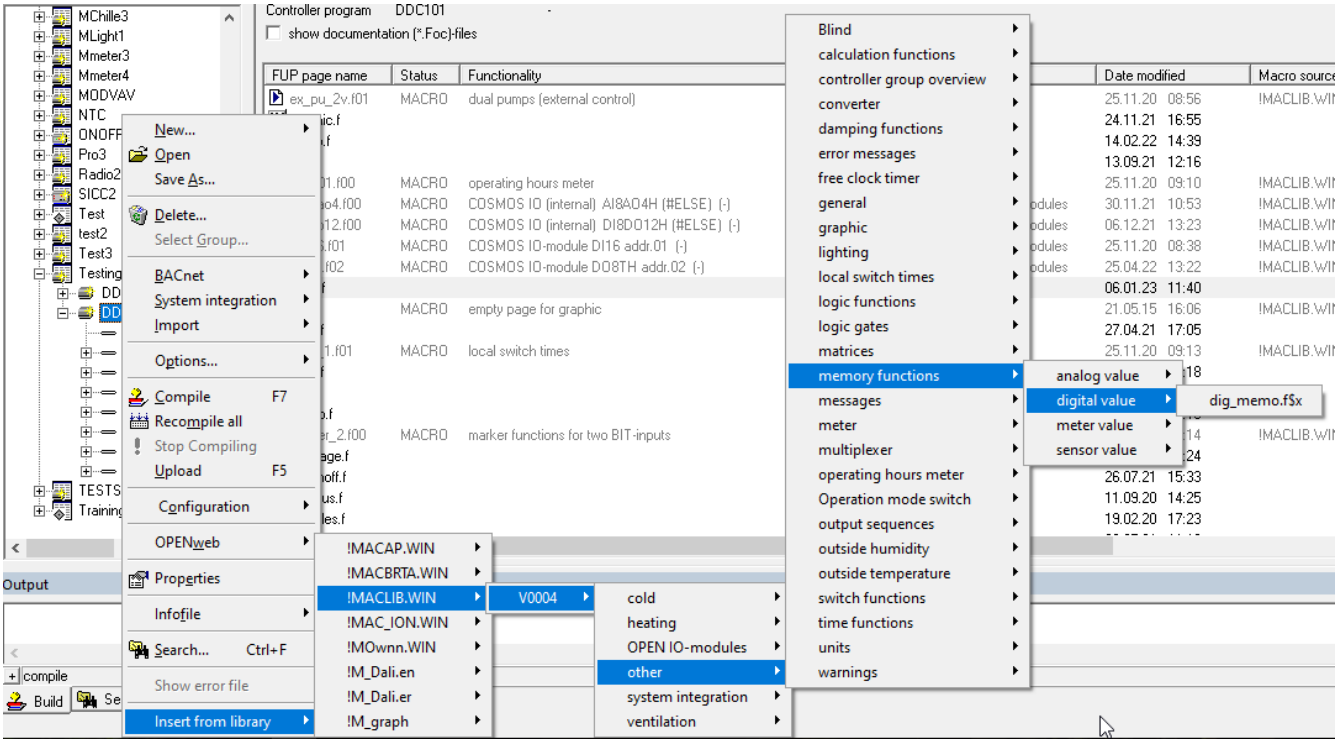


10. It’s done and you can upload to the controller to test it.

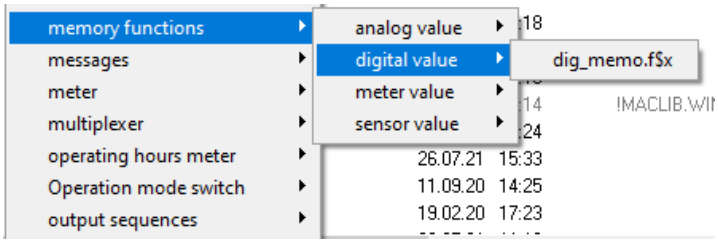




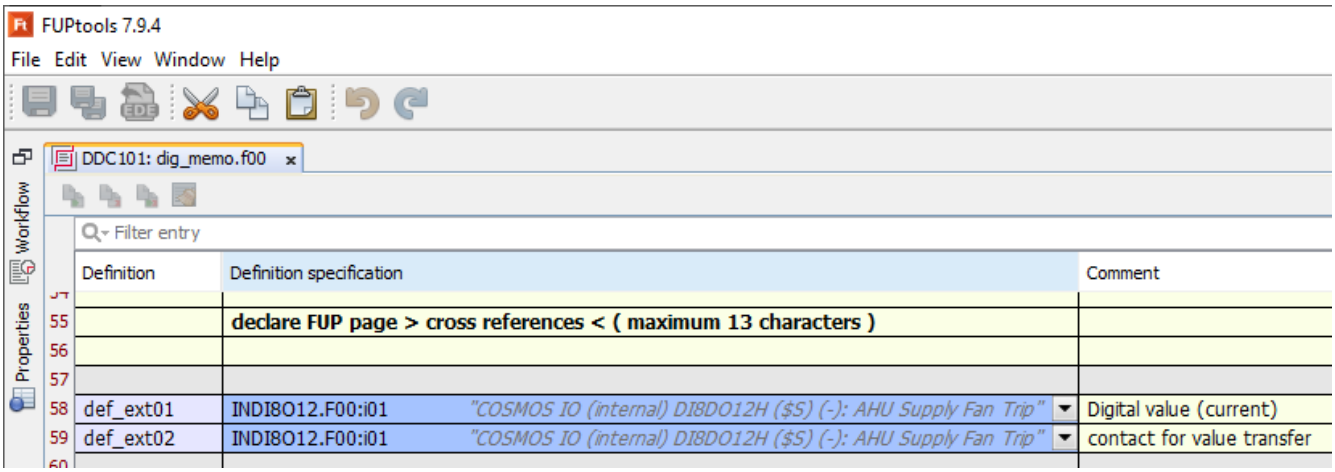
11. We also have some macros with similar functionality. You can find them in “!MACLIB.WIN” (see below).

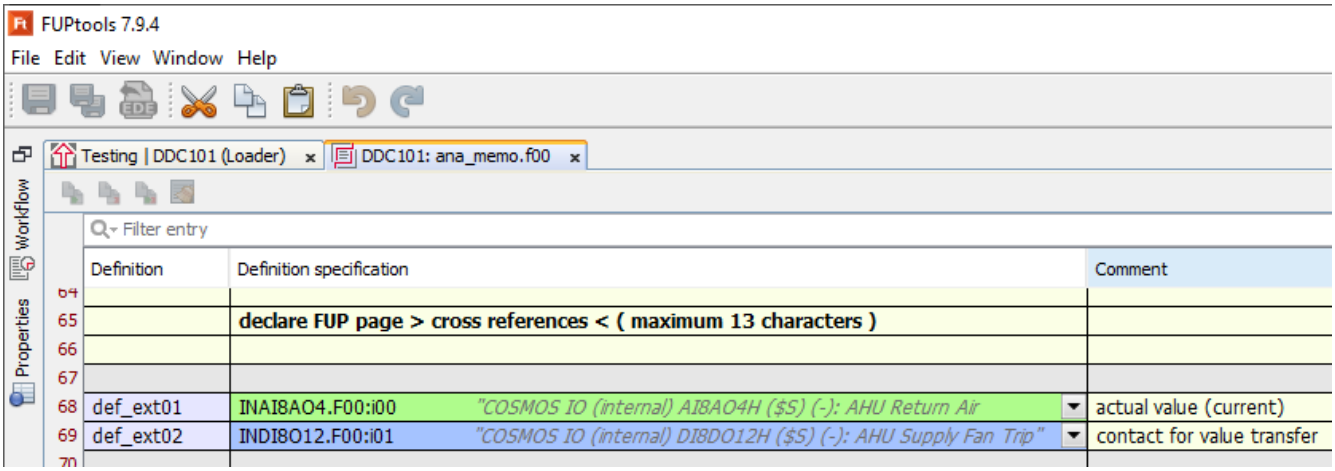


12. These macros allow you to store the date/time and point value not just for digital point, but also for analog point and metering value.



13. Just link it to the corresponding point(s) and it’s done.





14. The macros come with everything together with the graphics, so it’s very simple to use.