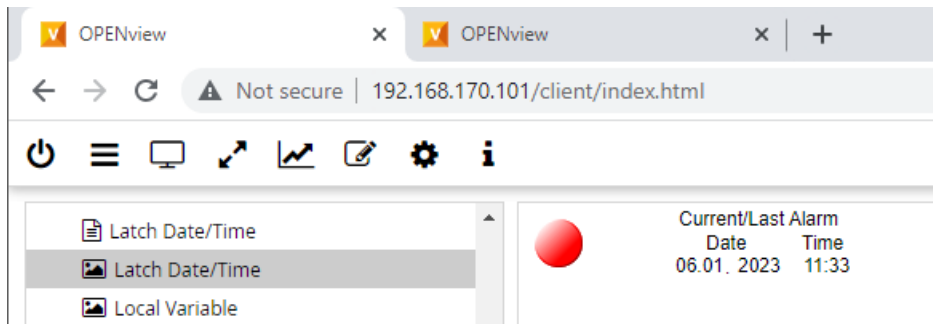
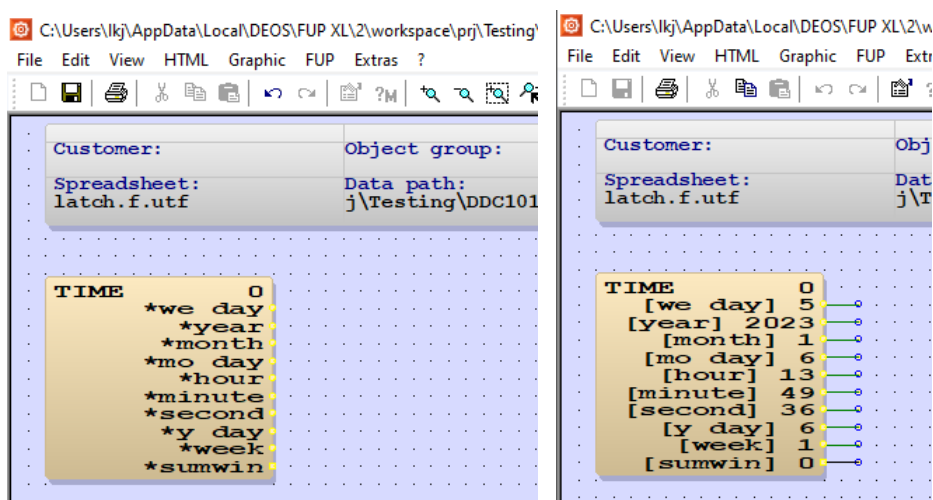


## TT230101 – FUP - Alarm Latch Date and Time

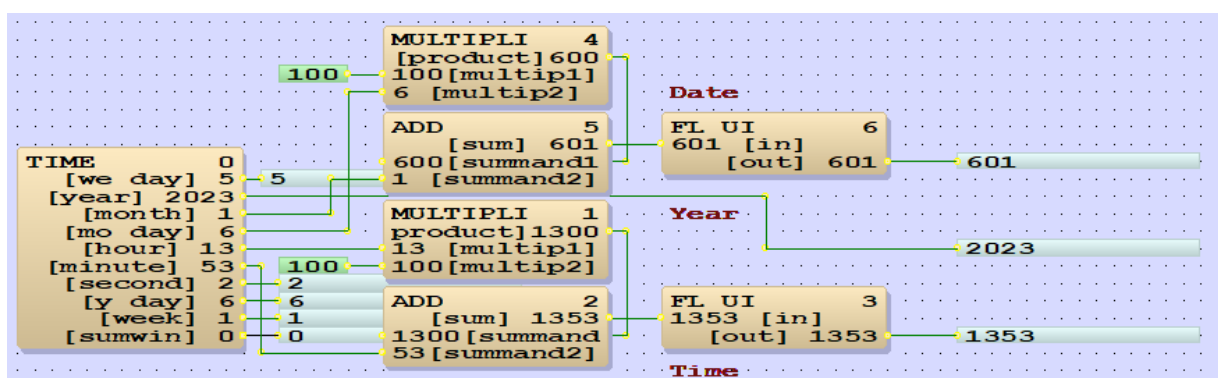
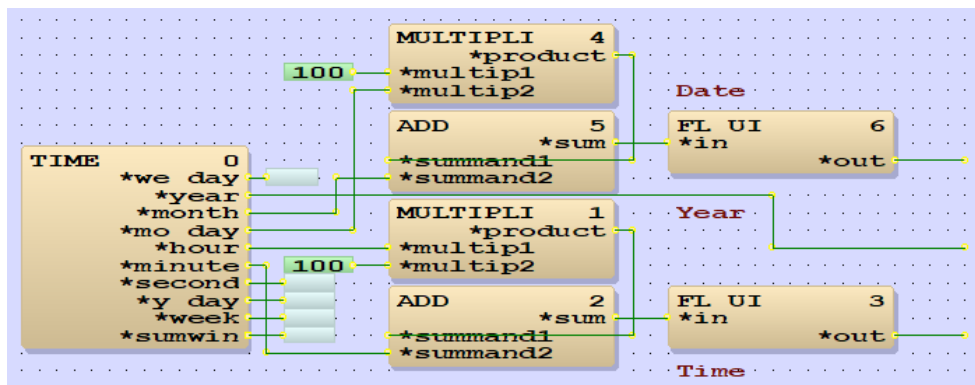
1. In this document, we will show you how to store the date/time for the last alarm and show it on a graphic page.



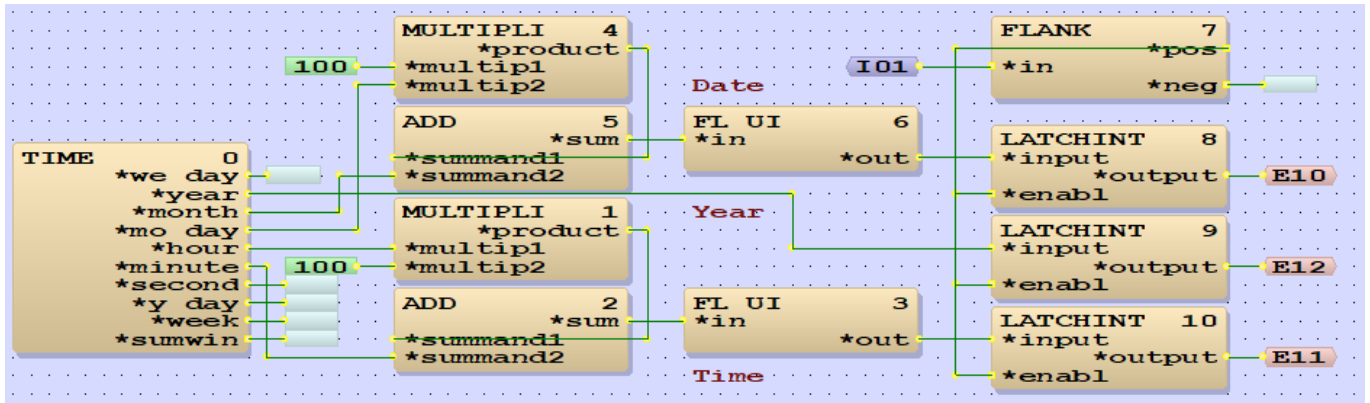
2. First of all, we use the "Time" module to read the current date/time from the controller.



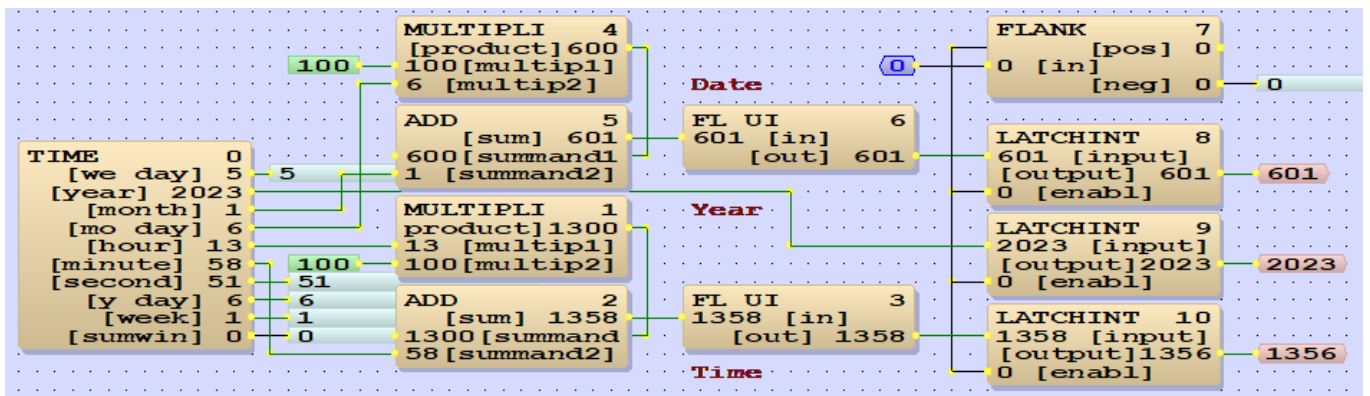
3. Then we do some simple calculation and date type conversion so that we get the current date/time in our required formats.



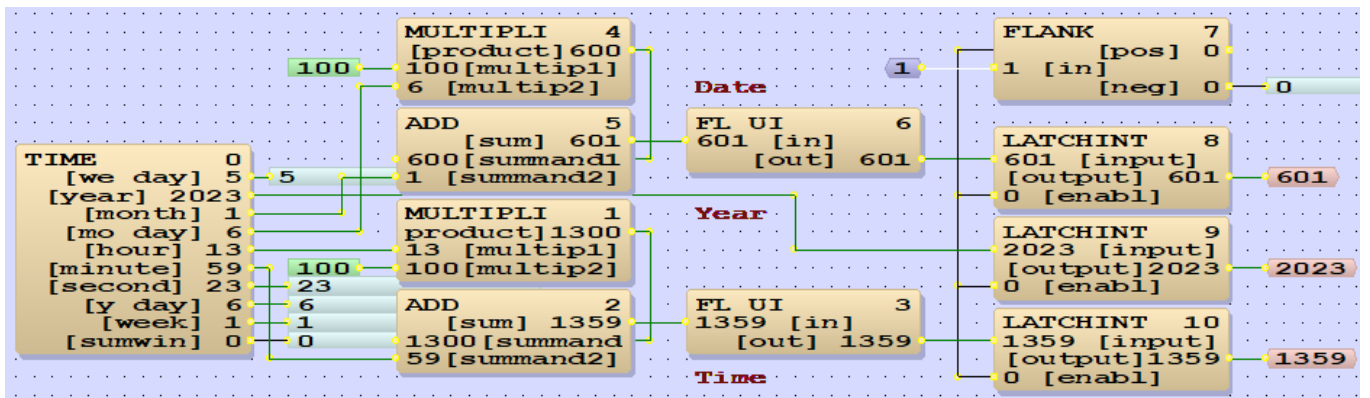
4. Finally we add the “Flank” and “LatchINT” modules to create a pulse when the Input “I01” (e.g. an alarm) occur and latch the date/time at that moment.



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.

C:\Users\Ikg\AppData\Local\DEOS\FUP XL\2\workspace\prj\Testing\DDC101\latch.f.utf - HTML

**Latch Date/Time**

Friday, 06.01.2023, 14:00

Latch Date/Time

Date	Year	Time	Alarm
##.##	0iii	##:##	(0)

**Properties Display <-> DATE**

General Access/Option Info

Type: DATE Name: E10

Bus: Simulation 06.01

Pre-text: Date Format: ##.##

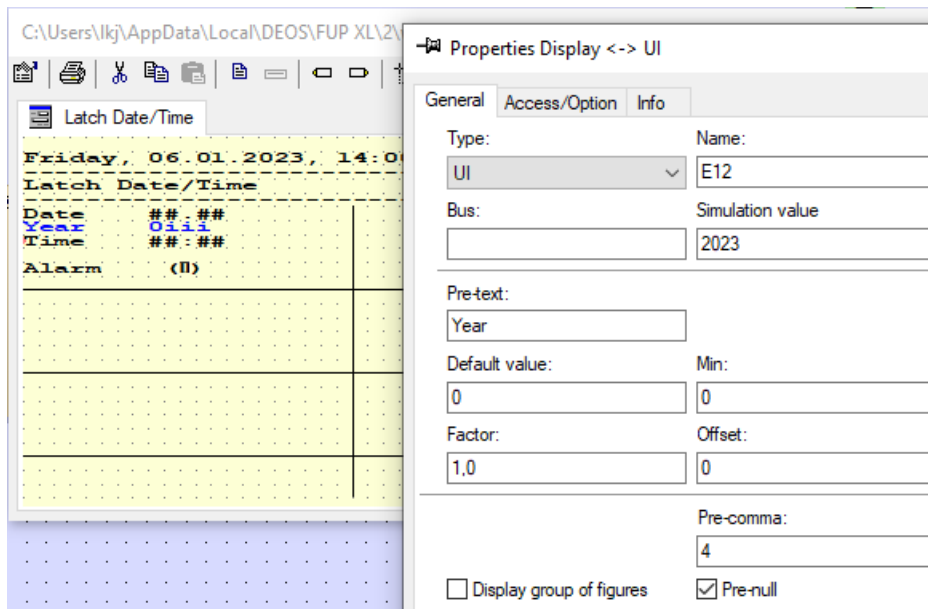
**Properties Display <-> TIME**

General Access/Option Info

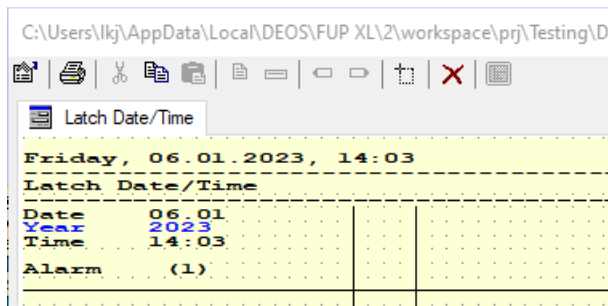
Type: TIME Name: E11

Bus: Simulation 11:18

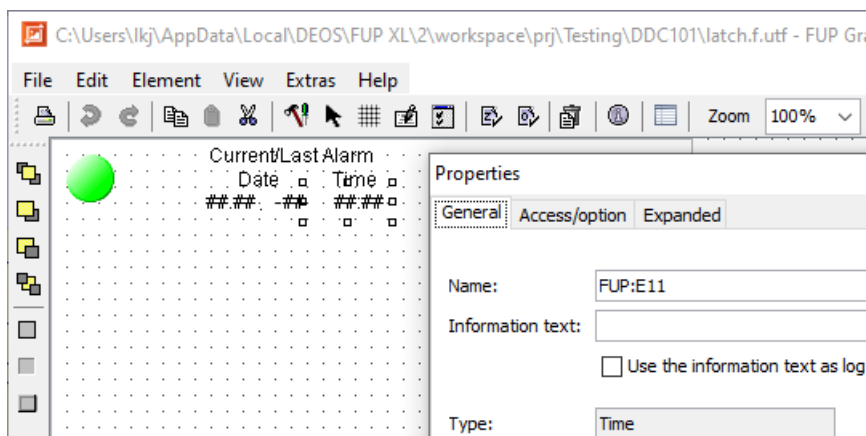
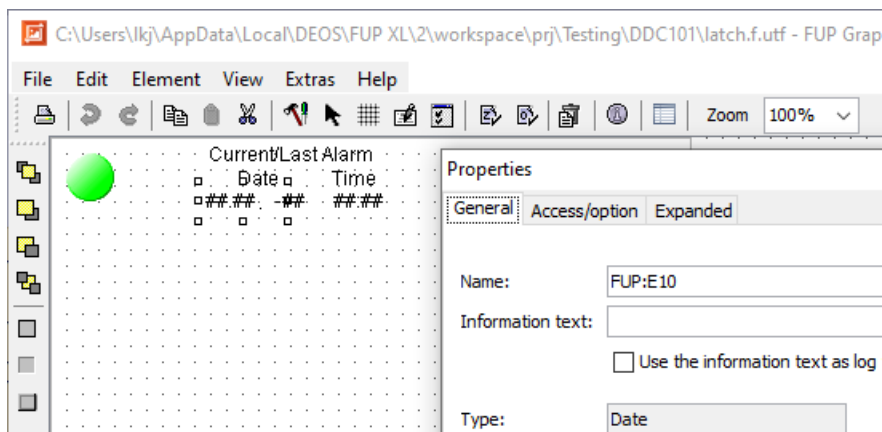
Pre-text: Time Format: ##:##



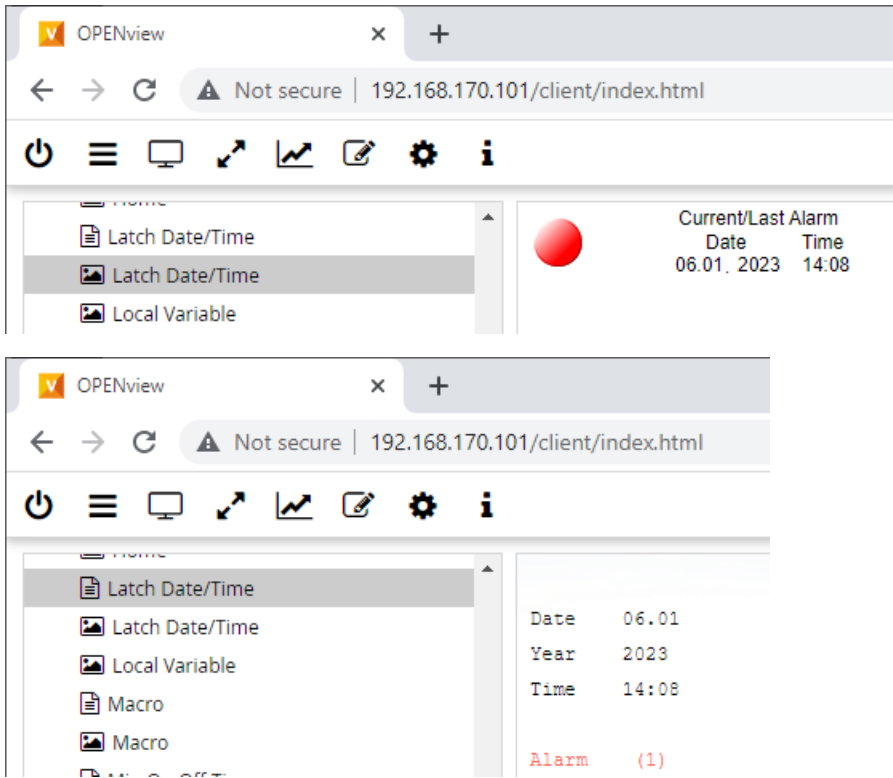
8. You can try it in simulation mode and it looks like this.



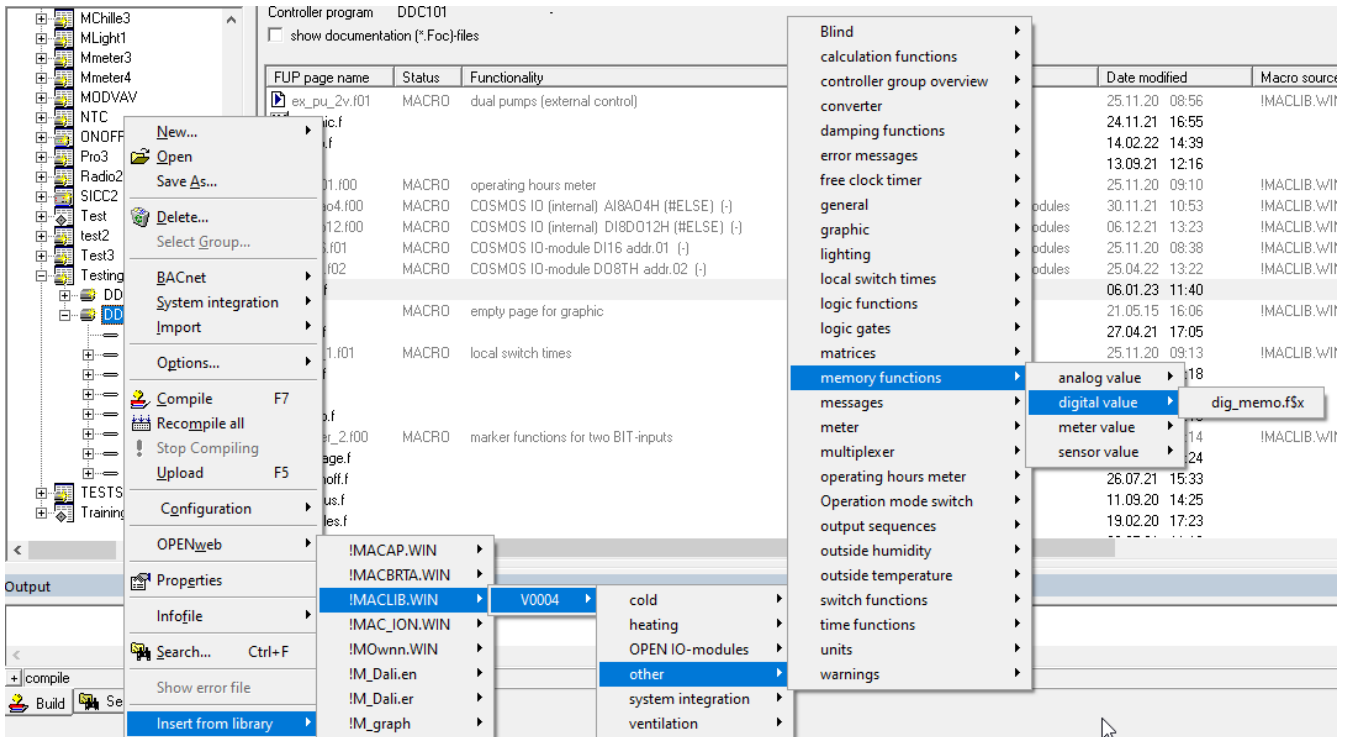
9. In the graphic page, you can use the “Date” graphic element for month/day, and use the “Time” graphic element for the time. For year, just use the normal “Integer” graphic element.



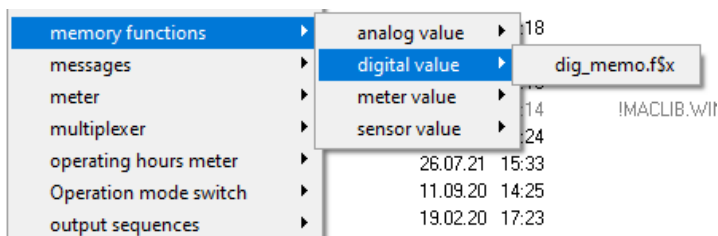
10. It's done and you can upload to the controller to test it.



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.

FUPtools 7.9.4  
File Edit View Window Help

Workflow

Properties

Q- Filter entry

Definition	Definition specification	Comment
55	declare FUP page > cross references < ( maximum 13 characters )	
56		
57		
58	def_ext01 INDI8O12.F00:i01 "COSMOS IO (internal) DI8DO12H (\$S) (-): AHU Supply Fan Trip"	Digital value (current)
59	def_ext02 INDI8O12.F00:i01 "COSMOS IO (internal) DI8DO12H (\$S) (-): AHU Supply Fan Trip"	contact for value transfer

FUPtools 7.9.4  
File Edit View Window Help

Workflow

Properties

Q- Filter entry

Definition	Definition specification	Comment
64	declare FUP page > cross references < ( maximum 13 characters )	
65		
66		
67		
68	def_ext01 INAI8AO4.F00:i00 "COSMOS IO (internal) AI8AO4H (\$S) (-): AHU Return Air	actual value (current)
69	def_ext02 INDI8O12.F00:i01 "COSMOS IO (internal) DI8DO12H (\$S) (-): AHU Supply Fan Trip"	contact for value transfer

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

OPENview x OPENview x +

Not secure | 192.168.170.101/client/index.html

other

- Digital value storage
- Meter
- analog value storage
- clock timer (AHU-1F-01)
- clock timer (AHU-2F-01)
- clock timer (EAF-1F-01)
- dew point calculation

Digital value (current) ☐ ☐

switch contact ☐ ☐

Digital value (saved) ☒ ☐

last gathered value : 14:26 06.01.2023

other

- Digital value storage
- Meter
- analog value storage
- clock timer (AHU-1F-01)
- clock timer (AHU-2F-01)
- clock timer (EAF-1F-01)
- dew point calculation

actual value (current) 23.20 %

switch contact ☐ ☐

actual value (saved) 24.60 %

last gathered value : 14:26 06.01.2023