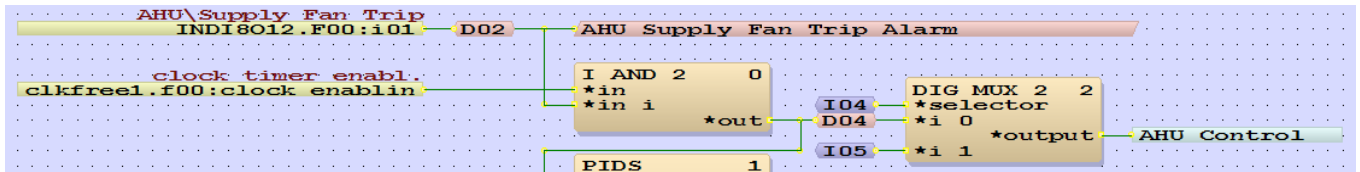
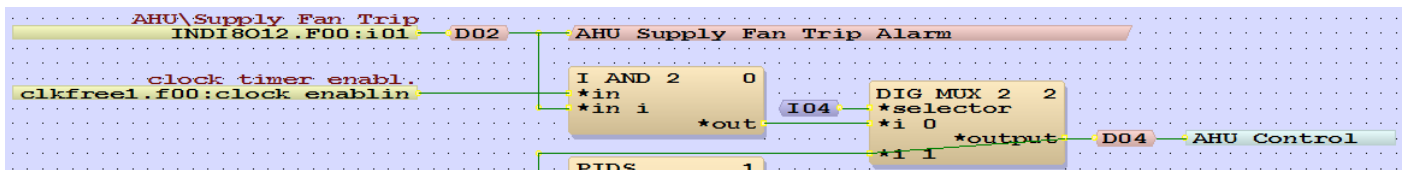


TT190602 – FUP - Auto Manual Control Selection

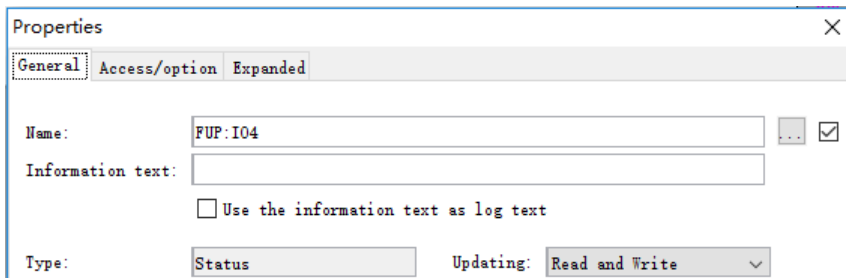
1. Sometimes user may want to manually control the equipment in graphic, and you can do it easily by logic like this



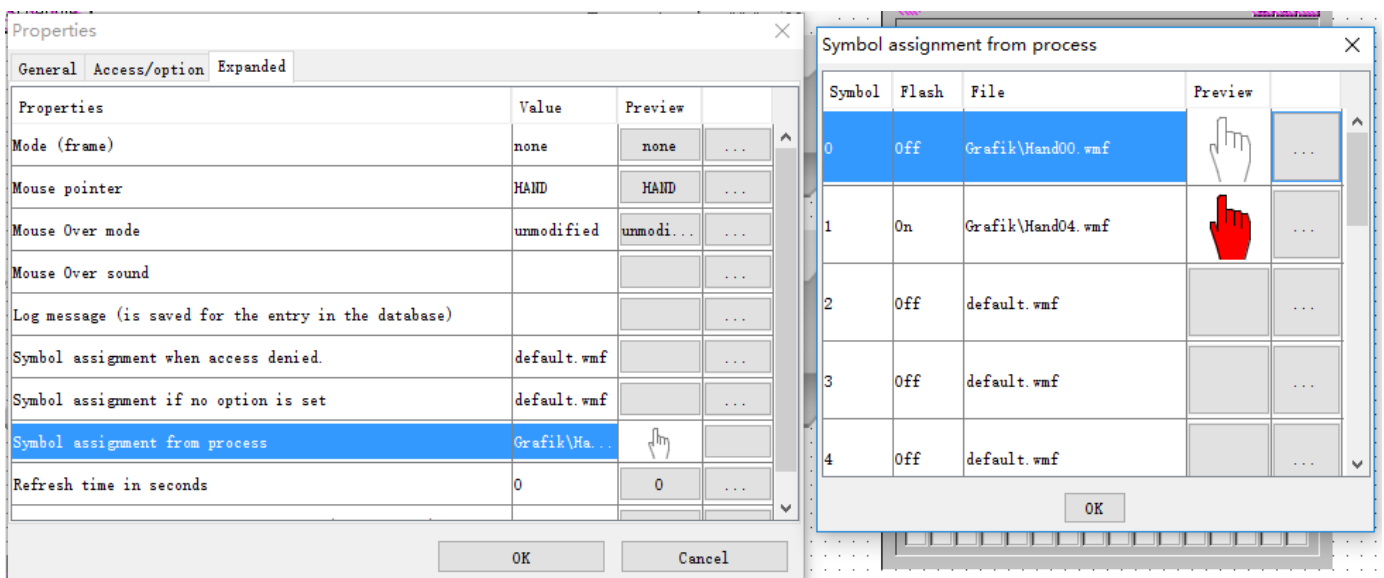
2. "I04" is the Auto/Manual switch, and "I05" is the manual command. But some users don't like this method because they need to first select the correct manual command, before setting it to manual. Otherwise, the equipment may turn off or on unexpectedly.
3. What these users want is to keep the last command in Auto mode after setting it to manual, and they can turn it on or off manually. To do it, we only need to change the logic a little bit



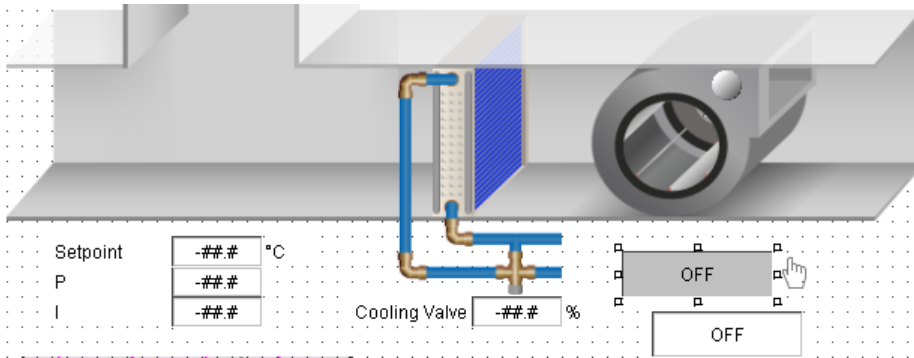
4. In the graphic, we use the "Status" element and link it to "I04", and change the "Updating" to "Read and Write".



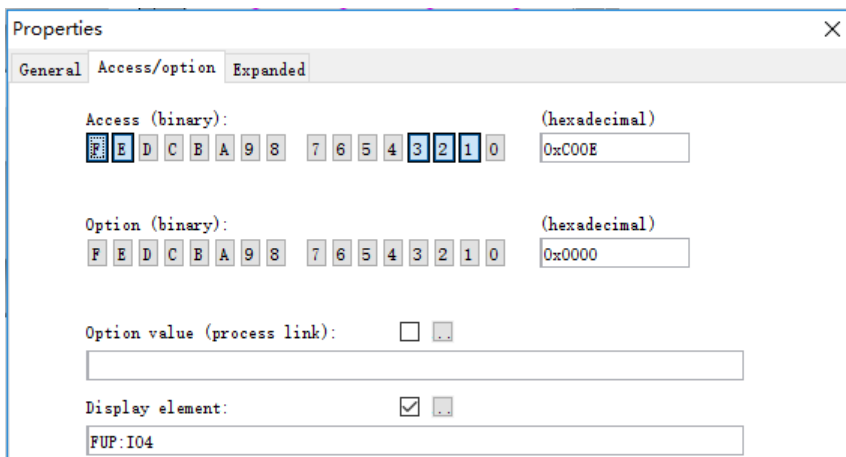
5. Go to "Expand" tab, change the "Symbol Assignment from Process" to the hand graphic. The hand graphic is located under the "Symbols" directory in our 2D Graphic library. Use the transparent hand when it's 0 and red hand when it's 1, make the red hand flashing




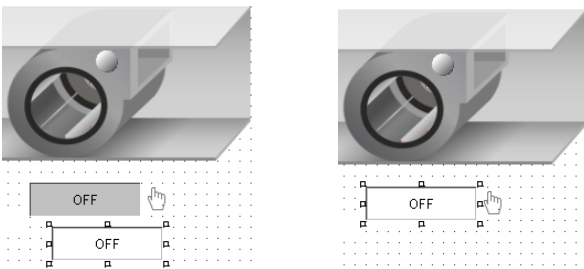
- Put it next to the AHU Fan command (TextOption00). Copy and paste the Fan command. Change the background of the original Fan command to grey, to indicate it's read only



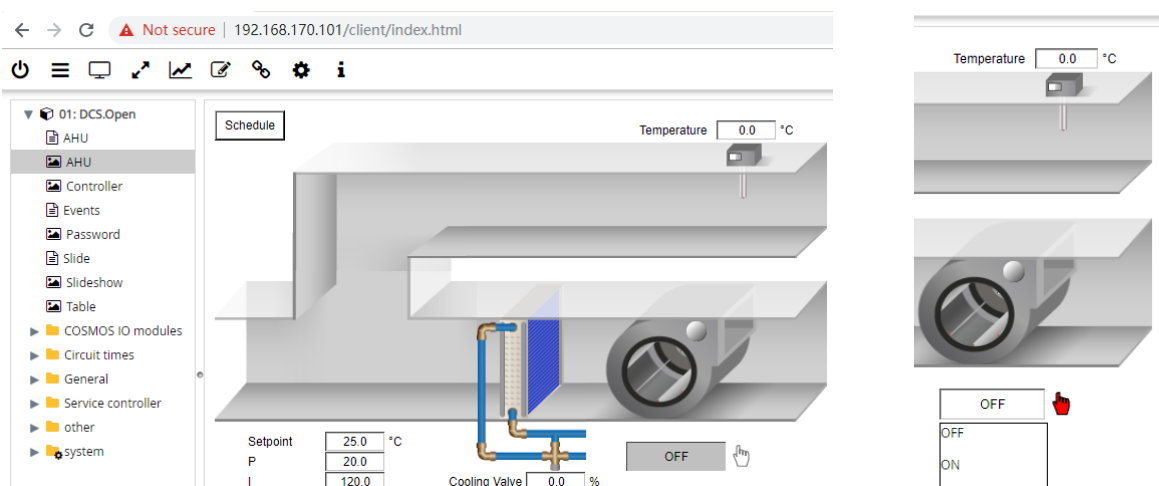
- Double click on the new Fan Command, change the “Updating” to “Read and Write”. Go to “Access/Option” tab, link the “Display Element” to “I04” by clicking on the “...” button next to it



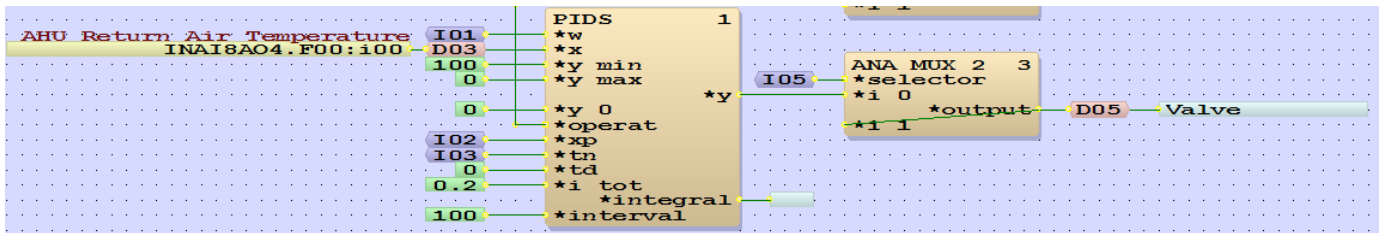
- Move the new element on top of the original element. Make sure the white one is on the top. If not, you can use the  button to move it to the top



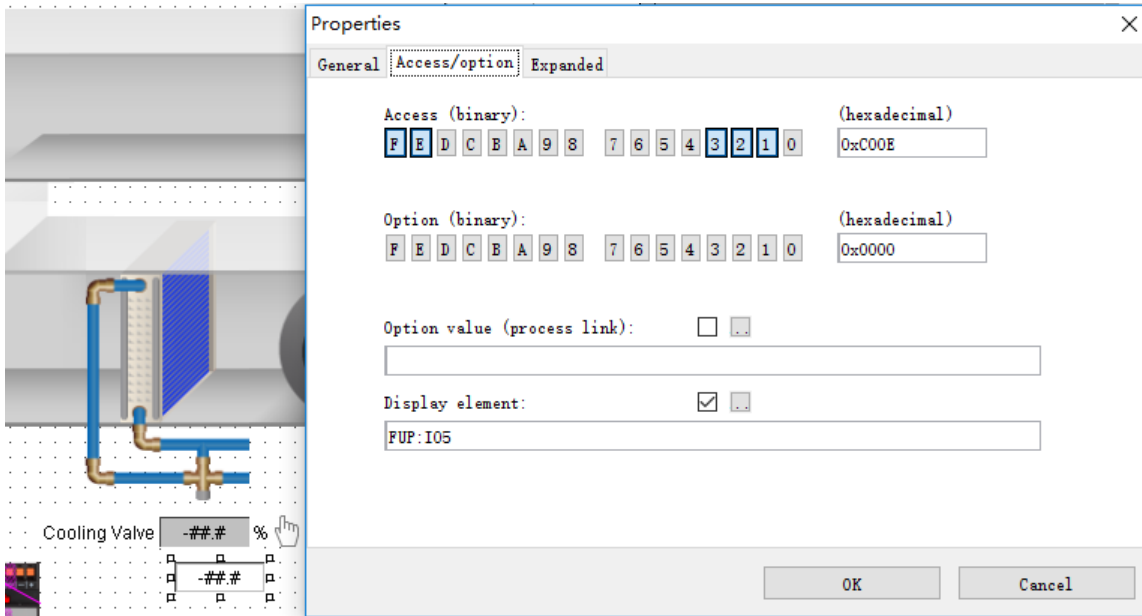
- When the fan is in Auto mode, the command is grey and cannot control. When you click on the “Hand”, it changes to Manual mode with the last command remains unchanged



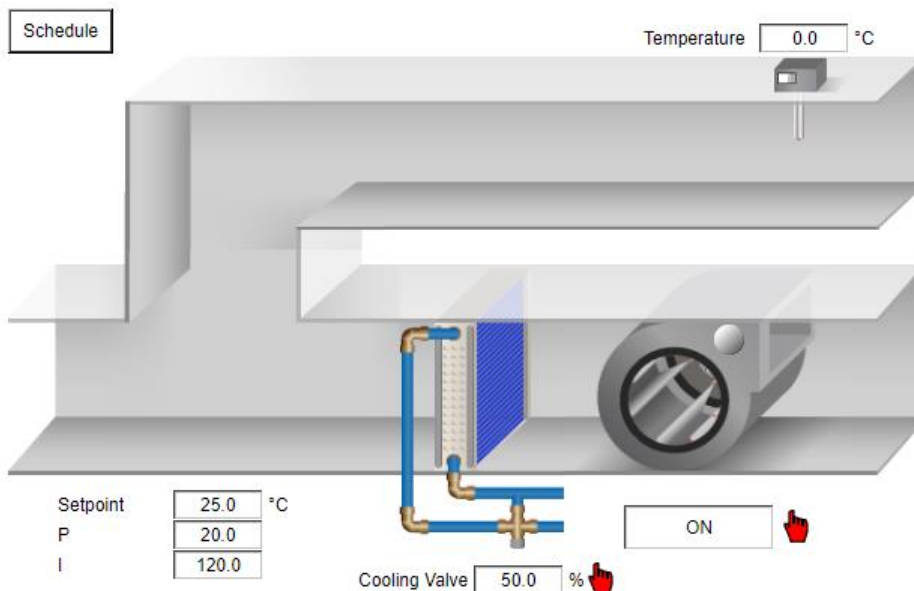
10. We can also do the same for Analog Output, the only different is we use the “ANA_MUX_2” module this time



11. Graphics are basically done in the same way like the Fan command



12. Now you can easily command the equipment manually in the graphic. This is very useful during the system commissioning phase, and during maintenance period of the equipment



13. Once you’ve finished both the manual command of one DO and AO point, it is very easy to copy and paste them for all other points in the project, because it copy the graphics as well

