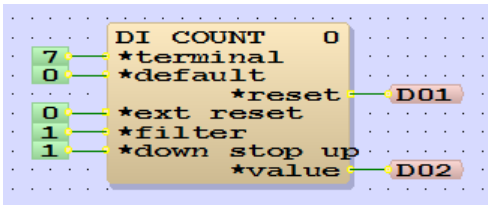
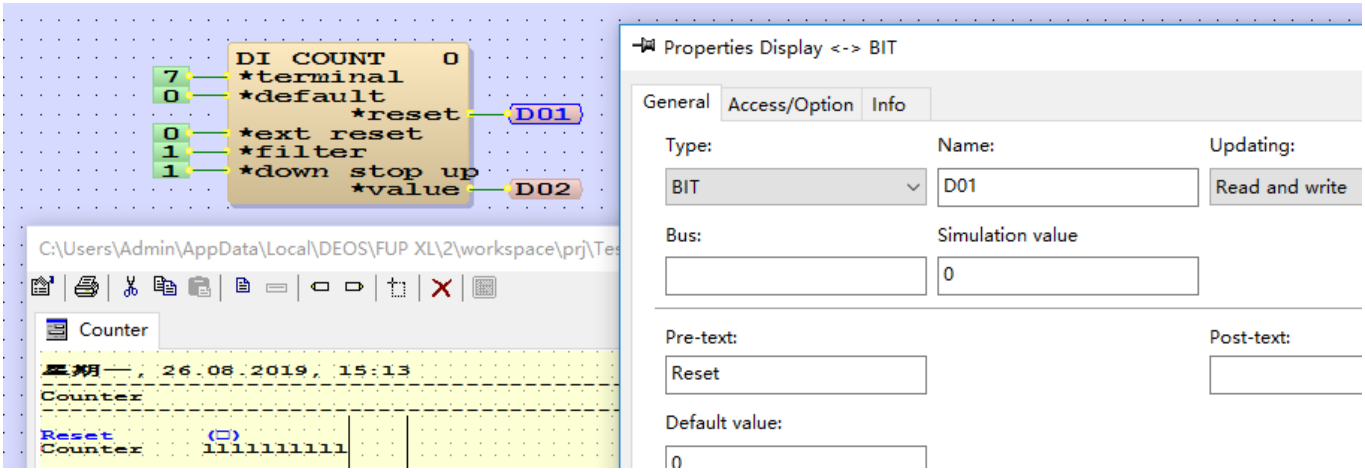
TT190905 – FUP - Pulse Counter Module

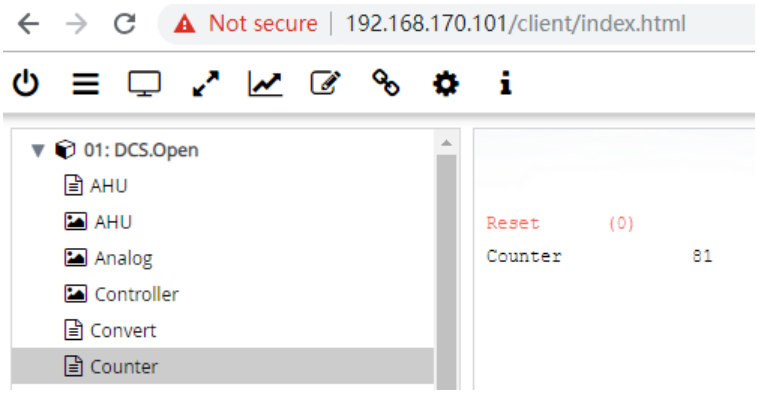
1. To use the pulse counter input in our controller, we can use the “DI_COUNT” module. First, add a new FUP page called “counter.f”



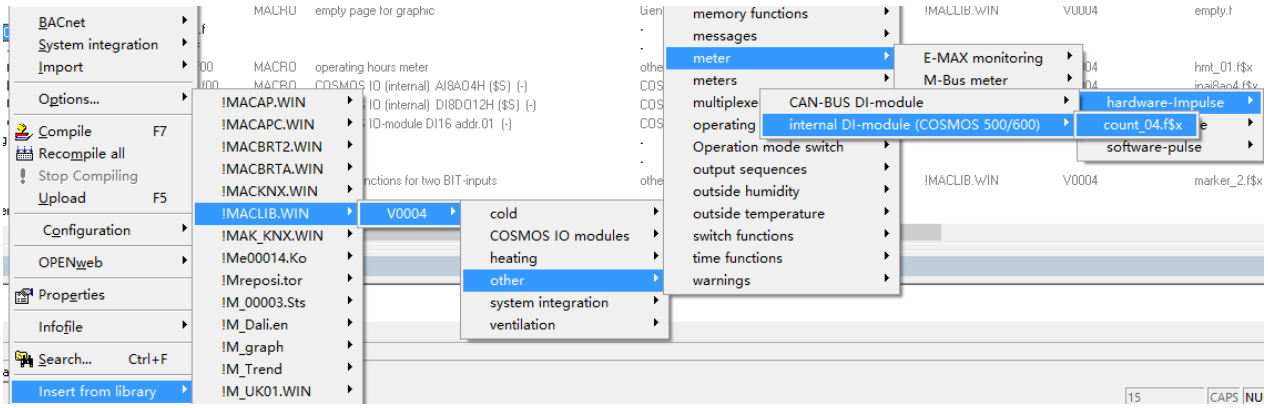
2. We use DI7 in this example. Connect a “Display” to the “reset” to reset the counter. Set the “Updating” to “Read and Write” so that you can reset the counter manually. The output “value” is pulses count as type ULI



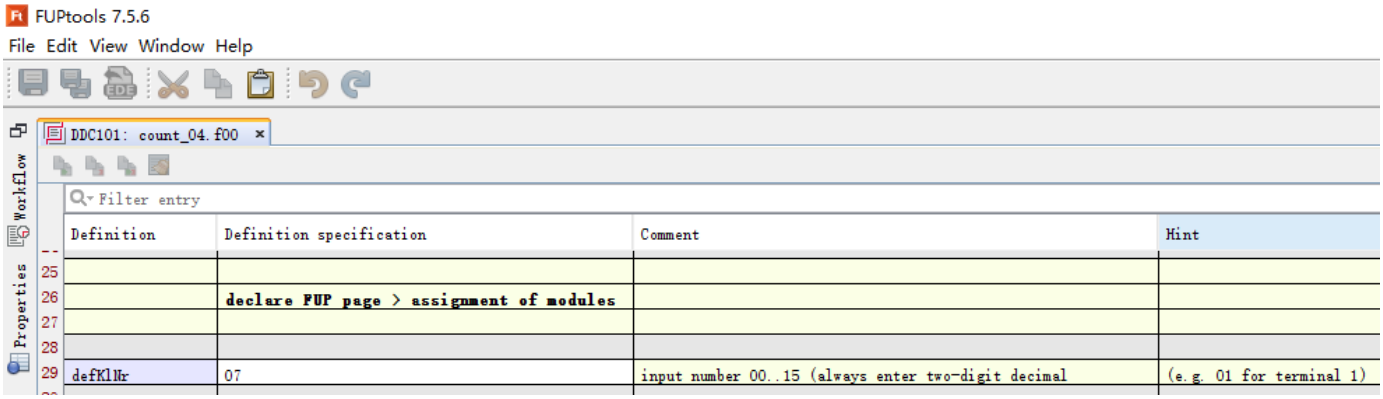
3. Compile and upload to the controller. The counter will be added by 1 if a pulse is detected at DI7. Set “Reset” to 1 to reset the counter to 0



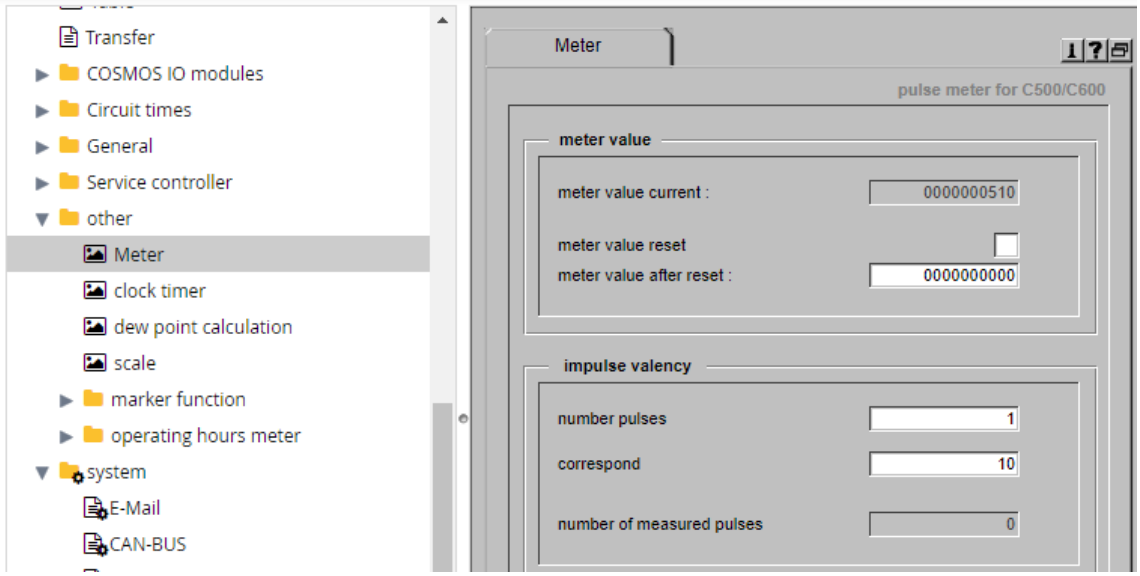
4. You can also use our macro called “count_04” for this purpose. First, add it to your controller



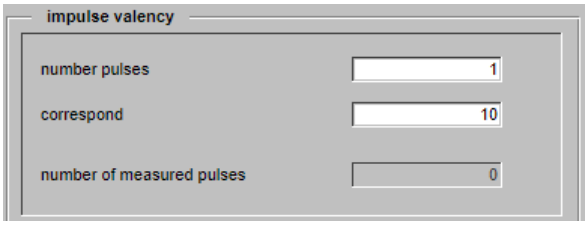
5. Connect the input to pulse counter point



6. Compile and upload to the controller. It's under "other"



7. Click the "Meter value reset" to reset the "meter value current" to 0. You can reset it to any value by typing the value you want in the "Meter value after reset", and then click reset
8. You can set the "number of pulses" to the corresponding value here. For example, below is 1 pulse means 10 Wh.



9. For the example below, 10 pulse means 1kWh. You can see the "number of measured pulses" go up when a pulse in received, and once it gone up to 10, the "meter value current" will be added by 1, and the "number of measured pulses" will reset to 0