**Study of the behavior of a heating system: on off control**

The goal of this laboratory experiment is to look at the behavior of an on off order system. The same experiment as before but, the controller, programmed in an on off Omron controller, will control the temperature this time by means of a **…**.( look at the circuit)

Can you change the P,I and D value in the program? Look at the parameters involved.

As explained in the theory we have

P: Proportional ~ Stability

I: Integrator ~ Precision (offset)

D:Differentiator ~ Speed

Now we do have other parameters to change which and what do they change, what is the influence on the controlreaction?

You have to look at how the system reacts if you change these values. You also look at how the actuator, in this case the pump, reacts when you change these values.

1. Changing the…
2. What are your conclusions