Thermal probe 2

Thermal probe 1

Heat Pot

Cooling Switch

Refrigerator

Pump 2

Heat on switch

Pump 1

Control Logic:

Input data:

1. Heat Pot “Heat switch on”, until the thermal probe 1 exceed “Input 1” (unit C), and keep stable +/- 2 C or 5C
2. Turn on Cooling switch
3. Switch On “Pump 1”, keep on “Input 2”, (unit mins)
4. Heat Pot “heat switch on”, to achieve thermal probe 1 to 99 C and keep “Input 3” (Unit mins)
5. Turn off pump 1, heat on switch
6. Turn on Pump 2, “input 4” (unit mins)
7. Apps LED turn to Green when thermal probe 2 get 17 C