

27 October 2020

Tuesday

1122

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mechanical operation of room controller

Review of Order of Operation

MECHANICAL OPERATION OF ROOM CONTROLLER

Design a room controller from what we did in class. Don't make it complicated.

Be able to adjust the 5 room lights with existing program

ENCODER

buttonPush 1:

take the room temperature.

```
    If (65<=roomTemp<=72) {  
        ledClear=true  
        (("Current Temp is, %i /n"), currentTemp) {  
        Digital.print("Within operating parameters");  
        else (roomTemp>72) {  
            ledRed=TRUE  
        }  
        else (roomTemp <65) {  
            ledBlue=TRUE  
        }  
    }  
}
```

Put (("Current Temp is, %i /n"), currentTemp) {

If current Temp is between 65 – 72

Digital.print("Within operating parameters"); to screen

buttonPush 2

connect to wemo devices (use /4 otherwise 2 clicks/device)

click 1 – wemo 1 on

click 2 – wemo 1 off

click 3 - wemo 2 on

click 4 – wemo 2 off

click 5 – wemo 3 on

click 6 – wemo 3 off

buttonPush 3 long

connect to lights (use /4)

click 1 – light 1 on

rainbow()

click 2 – light 1 off

click 3 - light 2 on

rainbow()

click 4 – light 2 off

buttonRed

push red button to activate sonar

ledYellow=TRUE [when sonar is working]

Digital.print ("somebody is near.");

REVIEW OF ORDER OF OPERATION