27 October 2020

Tuesday

1122

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 perameters");

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 perameters"); 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.");