Control Systems

Skills Demonstration – Task 03 – 2015

Task

Create a circuit and controlling program which:

Monitors the brightness in a room, and outputs a calculated Lux value and one of
"Very bright"
"Bright"
"Normal"
"Darker"
"Dark".

All output (other than a debugging LED) should be to the LCD display. The circuit should only operate when a push-button is pressed.

https://learn.adafruit.com/photocells/using-a-photocell

Requires (list components)

Code (or reference)

Circuit

Notes