Motion Sensing Alarm

Search Terms –

Motion Sensor Alarm

Connecting motion sensor to breadboard

Gus. (2019, November 16). Arduino Motion Sensor Project. Retrieved from <https://pimylifeup.com/arduino-motion-sensor/>

DIY Perks (2015, Oct 16), How to make a relaxing “ false window” light panel (using old laptop screens), Retrieved from Youtube <https://www.youtube.com/watch?v=Y2KK4YiOO1o>

DIY Perks, (2020, Jan 29), Things you make make from old, dead laptops. Retreived from Youtube <https://www.youtube.com/watch?v=WLP_L7Mgz6M>

Photocell limitations Arduino

Potentiometer limitations Arduino

Connecting LCD with water detection module, servo and membrane switch module

C, S. (2011, June 25). Arduino UNO: PhotoCell - sensing light. Retrieved from <https://arduinobasics.blogspot.com/2011/06/arduino-uno-photocell-sensing-light.html>

This citation is helpful because, if applied to my backlight idea, will determine the correct brightness to set the backlight to so that is works in sync with the ambient light. If it is sunny, then the backlight will be unnecessary, however if it is dark, then the back light will be fully activated, anything in between will vary.

Instructables. (2017, December 9). Arduino - Keypad-Controlled Servo. Retrieved from <https://www.instructables.com/id/Arduino-Keypad-Controlled-Servo/>

This link is helpful for if we decide to make our team project be a more convenient way to fill water bottles with the fridge dispenser. The keypad will have pre-coded times set that will tell the servo to press the dispense lever for a certain amount of time.

(66), pakganern, (58), shreyasgune, & (71), utopian-io. (n.d.). Water sensor and Servo -arduino. Retrieved from https://steemit.com/utopian-io/@pakganern/water-sensor-and-servo-arduino

Building on the last link, sometimes, inputs fail. If a wrong button is clicked on the keypad, the last thing you want is for your water to overflow when you’re pouring it. For this reason, a water level detector is present, if the water reaches too high, it will tell the servo to back away from the lever. Thus, making it safe to remove the water bottle from the slot without making a mess. This code must be integrated with the earlier code, and I might want to throw some LED’s on there just to make it look cool.