

Lesson 3 - Building a Burglar Alarm System

Situation: Let's say we want to leave our office to get some ice cream during our break. Five minutes after we left, a burglar tries to break into our office to steal our Arduino Uno.

Need: To prevent this situation from happening what could we invent?

Solution: A Burglar Alarm System created with the usage of an Arduino.

Burglar Alarm System

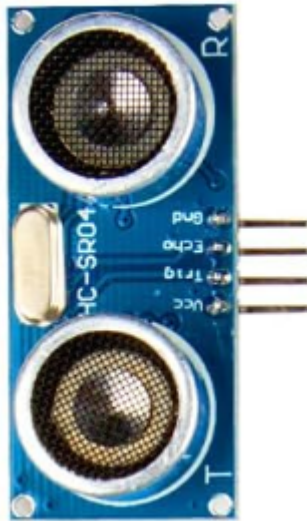
- What do we need:
 1. Something to make sound.
 2. Some sort of light to indicate
 3. Some sort of sensor to detect when a burglar enters.
 4. Authentication Method, either a card we tap or a pin we enter to say: "hey it's us"
- Parts:
 1. Buzzer (Remove Seal After Washing)



2. LEDs



3. HC-SR04 (SONAR/Ultrasonic Sensor)

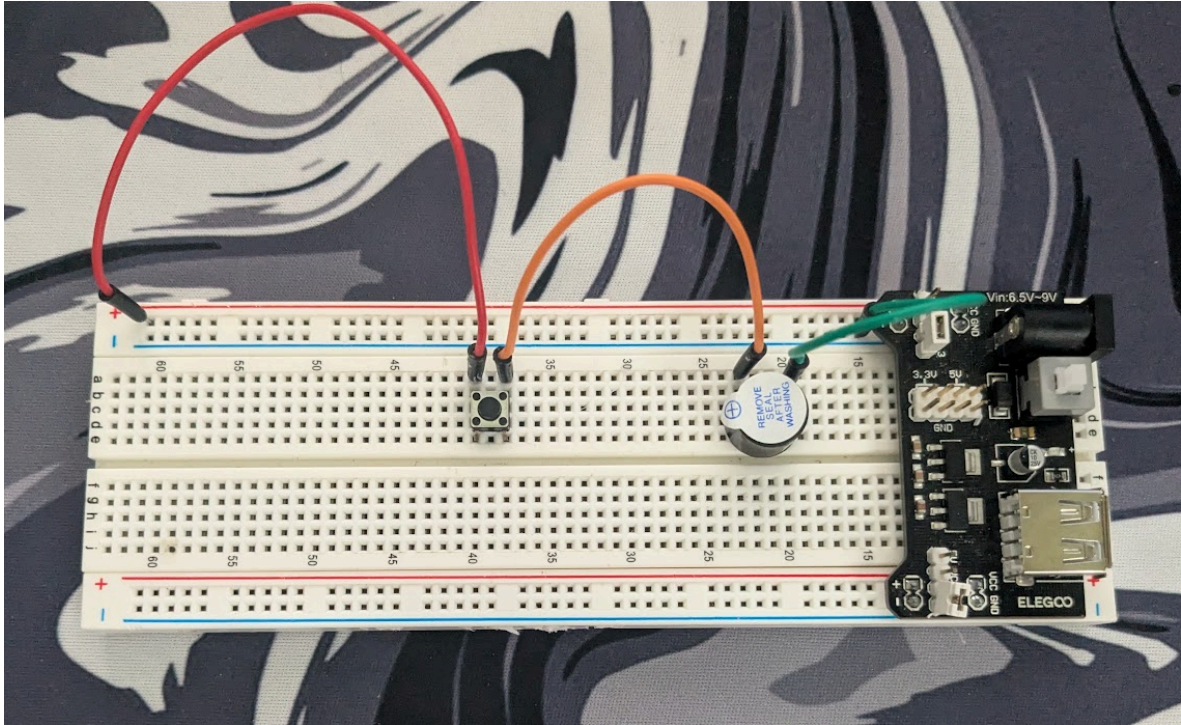


4. IR Remote Control (Numbers on it)



Buzzer - Day 1

- How does it work:



- You've created this circuit. This circuit allows for a buzzer to be played when pressing the button. This button allows voltage to be passed through the buzzer and create a high pitched sound.