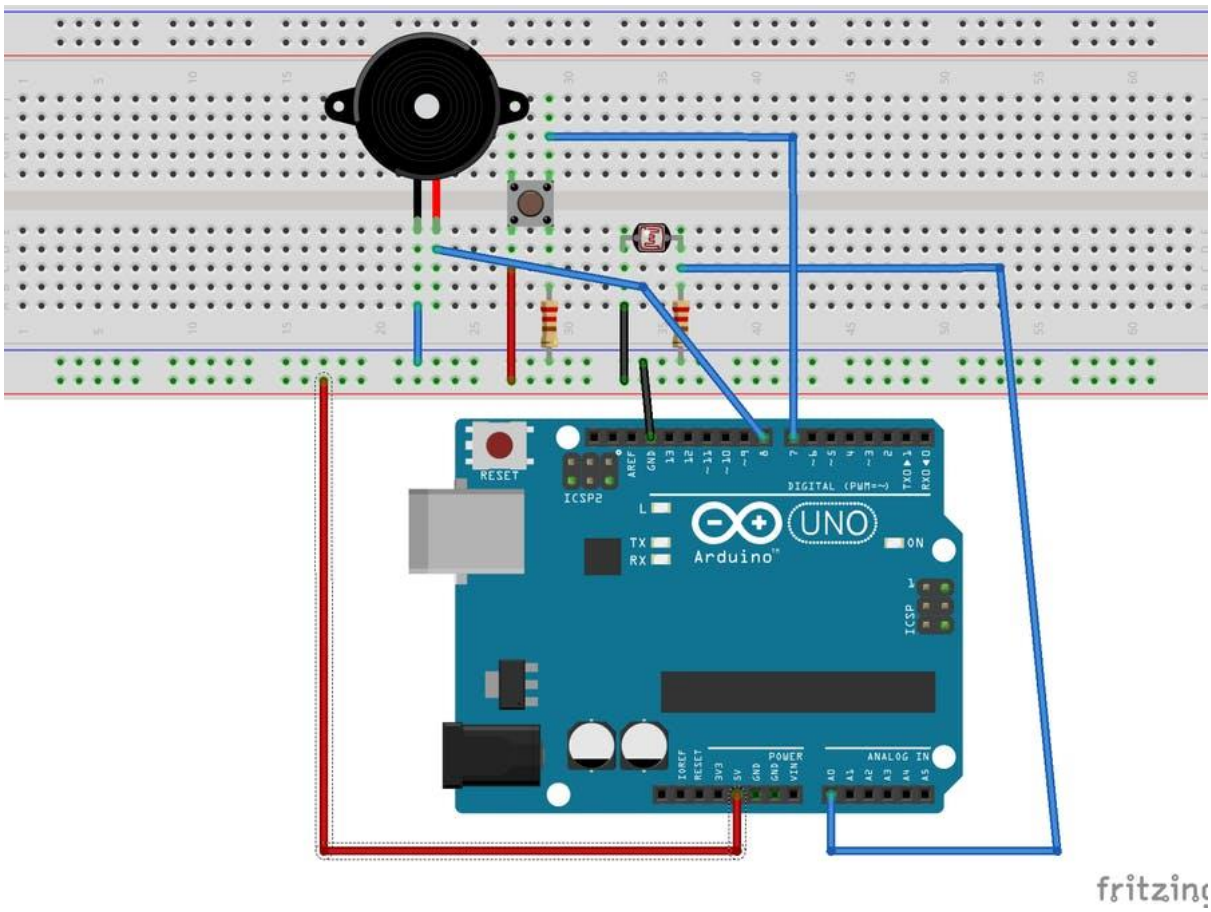
How to build Arduino Rooster Alarm



Things used in this project

Hardware components

Arduino uno	×	1
light detector	×	1

	10-kΩ resistors	×	2
	piezo buzzer	×	1
	push button	×	1
	breadboard	×	1

Software apps and online services

Arduino IDE

You will learn inthis tutorial how to build a rooster alarm that sounds with a piezo buzzer if the level of light in the environment has increased to some degree. You can reset the alarm by pressing a button. The current illumination level is displayed via the Serial Monitor in real-time.

Arduino Rooster Alarm

- Connect the light detector end of one end (photo resistor) to the Arduino 5-V pin.
- Connect the other end of the light detector to a node containing a 10-k to resistor and a wire to an arduino analog pin A0. Connect the other end of the resistor with the Arduino GND pin.
- Connect the negative terminal to the Arduino GND pin on the buzzer.
- Connect the positive buzzer terminal to Arduino's digital pin 9.
- Connect one terminal to the Arduino 3.3-V pin on the push button.

- Connect the other terminal to a node containing the 10-k a resistor and a wire to Arduino's digital pin 7. Connect the remaining ten-kilometer resistor to the Arduino GND pin