



LDR, LED, Buzzer, Resistor, and Arduino UNO :

Arduino Code:

```
const int ledPin = 13;
```

```
const int buzzerPin = 12;
```

```
const int ldrPin = A0;
```

```
void setup () {
```

```
    Serial.begin(9600);
```

```
    pinMode(ledPin, OUTPUT);
```

```
    pinMode(buzzerPin, OUTPUT);
```

```
    pinMode(ldrPin, INPUT);  
}  
  
void loop() {  
    int ldrStatus = analogRead(ldrPin);  
    if (ldrStatus >= 400) {  
        tone(buzzerPin, 100);  
        digitalWrite(ledPin, HIGH);  
        delay(100);  
        noTone(buzzerPin);  
        digitalWrite(ledPin, LOW);  
        delay(100);  
        Serial.println("ALARM ACTIVATED ");  
    }  
    else {  
        noTone(buzzerPin);  
        digitalWrite(ledPin, LOW);  
        Serial.println("ALARM DEACTIVATED");  
    }  
}
```