Alarm Transmitter Code (Adafruit 3V Pro Trinket)

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```
// Transmitter Code

// set pin numbers:
const int buttonPin = 4;     // the number of the pushbutton pin

//for testing only
const int ledPin =  13;      // the number of the LED pin

const int trigPin = 8; //the trigger pin

// variables will change:
int buttonState = 0;         // variable for reading the pushbutton status
int flag = 0; //track button position

void setup() {
  // initialize the LED pin as an output:
  pinMode(ledPin, OUTPUT);
  // initialize the pushbutton pin as an input:
  pinMode(buttonPin, INPUT);
  pinMode(trigPin, OUTPUT);
}

void loop() {
  // read the state of the pushbutton value:
  buttonState = digitalRead(buttonPin);

  // check if the pushbutton is pressed. If it is, the buttonState is HIGH:

  if (buttonState == HIGH) {
    // turn LED off:
    digitalWrite(ledPin, LOW);

    if (flag == 1) {
      digitalWrite(trigPin, LOW);
        delay(25);
      digitalWrite(trigPin, HIGH);
       flag = 0;
    }
```

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```
  } else {
    // turn LED on:

     if (flag == 0){
        digitalWrite(trigPin, LOW);
        delay(25);
        digitalWrite(trigPin, HIGH);

        flag = 1;

        digitalWrite(ledPin, HIGH);
    } else {
          digitalWrite(ledPin, LOW);

    }
  }
}
```