

How to Use:

1. Connect the sensor to Arduino:
 - VCC → 5V
 - GND → GND
 - D0 → Digital Pin (e.g., D2)
2. Upload the following sample Arduino code:

```
int metalPin = 2;

void setup() {
  pinMode(metalPin, INPUT);
  Serial.begin(9600);
}

void loop() {
  int metalDetected = digitalRead(metalPin);
  if (metalDetected == LOW) {
    Serial.println("Metal Detected!");
  }
  delay(200);
}
```

3. Bring a metal object close to the coil – the LED turns on, and signal is triggered.