

Bare Paint Proximity Code w/ LED output

```
#include <CapSense.h>
```

```
CapSense cs_4_2 = CapSense(4,2); // 10 megohm resistor between pins 4 & 2, pin 2  
is sensor pin, add Bare Paint
```

```
const int LEDPin = 13;  
const int LEDThreshold = 60; // The higher the threshold, the closer you have to get  
to activate the LED
```

```
void setup() {  
  cs_4_2.set_CS_Autocal_Millis(0xFFFFFFFF); // turn off autocalibrate on channel 1 -  
just as an example  
  Serial.begin(9600);
```

```
  pinMode(LEDPin, OUTPUT);  
}
```

```
void loop() {  
  long start = millis();  
  long total = cs_4_2.capSense(30);
```

```
  Serial.println(total);
```

```
  if (total >= LEDThreshold) {  
    digitalWrite(LEDPin, HIGH);  
  }  
  else {  
    digitalWrite(LEDPin, LOW);  
  }
```

```
  delay(10); // arbitrary delay to limit data to serial port  
}
```