```
#include <LiquidCrystal.h>

LiquidCrystal lcd(5,6,8,9,10,11);

int sensor = A0;

int sensorThresh = 400;

void setup()

{

    pinMode(sensor,INPUT);

    Serial.begin(9600);

    lcd.begin(16,2);

}

void loop()

{

    int analogValue = analogRead(sensor);

    Serial.print(analogValue);

    if(analogValue>sensorThresh)

    {

        lcd.clear();

        lcd.setCursor(0,1);

        lcd.print("ALERT");

        delay(1000);

        lcd.clear();

        lcd.setCursor(0,1);

        lcd.print("EVACUATE");

        delay(1000);

    }
```

```
    else

    {

        lcd.clear();

        lcd.setCursor(0,0);

        lcd.print("SAFE");

        delay(1000);

        lcd.clear();

        lcd.setCursor(0,1);

        lcd.print("ALL CLEAR");

        delay(1000);

    }

}
```