

FIREWALKER FILL-IN-THE-BLANK

```
#include <Firewalker.h>
#include <Adafruit_NeoPixel.h>

#define N_LEDS    8
#define SENSOR_PIN A9
#define LED_PIN   6

#define STEP_DOWN_THRESHOLD 400
#define STEP_UP_THRESHOLD   550

boolean stepping = false;

Firewalker firewalker(SENSOR_PIN, N_LEDS, STEP_UP_THRESHOLD);
Adafruit_NeoPixel strip =
  Adafruit_NeoPixel(N_LEDS, LED_PIN, NEO_GRB + NEO_KHZ800);

void setup() {
  firewalker.begin();
  strip.begin();
}

void loop() {
  firewalker.updateSensorValue();

  if (firewalker.getSensorValue() > STEP_UP_THRESHOLD)
    stepping = false;

  if (firewalker.getSensorValue() < STEP_DOWN_THRESHOLD)
    stepping = true;

  firewalker.updateStep(stepping);

  for (int i = 0; i < N_LEDS; ++i)
    strip.setPixelColor(i, firewalker.getLEDColour(i));

  strip.show();

  delayMicroseconds(1500);
}
```



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