

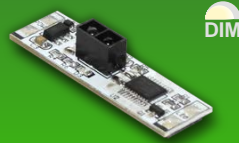
# IR Sensor Switch for LED Strip Light Channels

SKU: LC-KL-SENS-1

LC-KL-SENS-1D

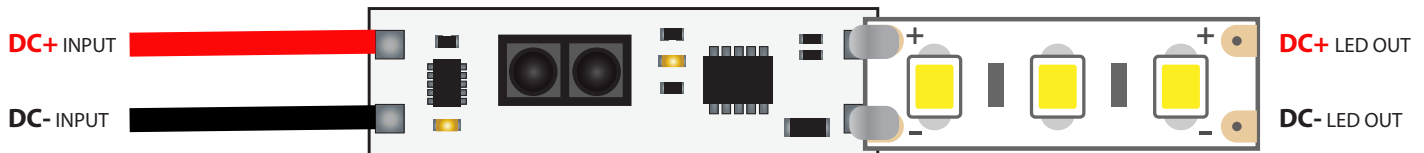
**ECOLOCITY**  
LED Lighting Solutions

255 Distribution Dr. #104  
Sparks, NV 89441, USA  
ECOLOCITYLED.COM  
775-636-6060



## SPECIFICATIONS

**\*\* CONNECTIONS MUST BE SOLDERED BY THE END USER \*\***  
(see installation instruction)



Product SKU : LC-KL-SENS-1  
LC-KL-SENS-1D (DIM)  
Product Size : 1.57" x 0.47" x 0.47"H  
Input Voltage : 12VDC Constant Voltage  
Max Load : 3 Amps  
Watts : 36 Watts  
Operating Temp : -4° ~ 149°F  
Dimming Level : 5-100%  
Retain Dim Level : Yes  
Rating : Dry  
Warranty Period : 2 Years

**Input Power: 12VDC Constant Voltage**

Controller Max Load

$$X * Y < 36 \text{ Watts}$$

*X = linear strip light footage*

*Y = strip light watts per foot*

## PRECAUTIONS



**WARNING** – This product should be installed, cut and connected only by a qualified professional.



**NEVER** cut, connect, or join wires while product is connected to a live power source.



**12VDC** Use 12VDC Input Only!



**DO NOT** bend or crease the strip in a manner that will damage the conductivity of the circuit board.



**DO NOT** use AC Input!



**DO NOT** use in direct sunlight.  
**DO NOT** use in environments over 149°F.  
**DO** install on a metal heat sink.



This product is not designed to be installed in wet or damp environments.



**DO NOT** expose soldered connections!  
**BE CERTAIN** your 12VDC source and wire gauge is suffice for powered load.

EcolocityLED.com  
info@EcolocityLED.com

**ECOLOCITY**  
LED Lighting Solutions

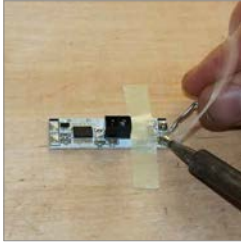
775-636-6060

# IR Sensor Switch for LED Strip Light Channels

SKU: LC-KL-SENS-1

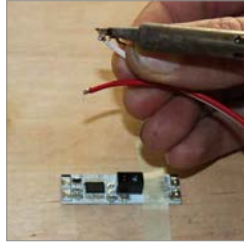
## INSTALLATION

### 1.) Tin Input Connections



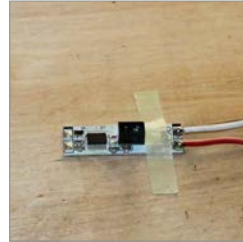
Using electrical solder tin both pads of your 12VDC input connections.

### 2.) Tin Lead Wire



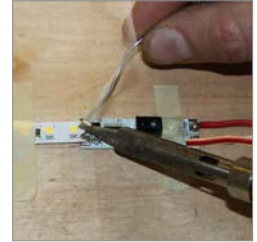
Strip your 18-22AWG stranded wire approximately 1/8". Tin the exposed wires with solder.

### 3.) Solder Lead Wire



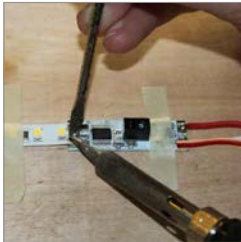
Mate the tinned wire to its respective polarity on power input.

### 4.) Tin LED Strip Light



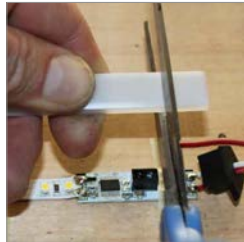
Align your strip light with correct polarity, secure strip and tin the copper pads on strip.

### 5.) Solder Strip Light



Solder the strip to the dimmer using a firm edge to keep tight pressure while solder cools.

### 6.) Prep End Cap & Cover



Slide on end cap and cut a small piece of cover to hide the end of the IR sensor.

### 7.) Adhere to Channel



Peel the tape from the back of your products then adhere them inside your channel.

### 8.) Press on Cover



Push your small and larger cover pieces into place. The IR sensor must be exposed to operate.

### 9.) Apply 12VDC Power



Connect your lead wires to the respective polarity of your 12VDC power source.

### 10.) Wave 1-4" from Sensor



Wave your hand 1-4" from the sensor to turn on / off. Hold your hand in front to dim.