

## HX-MINI003-HS

### MINI sensor controller for single color LED strip

Controller adopts the most advanced PWM (Pulse Width Modulation) digital control technology for controlling constant voltage LED lamps. The function is switch on/off and dim the light by the operation of people's hand go through the ITR sensor without touching.



### Product Features

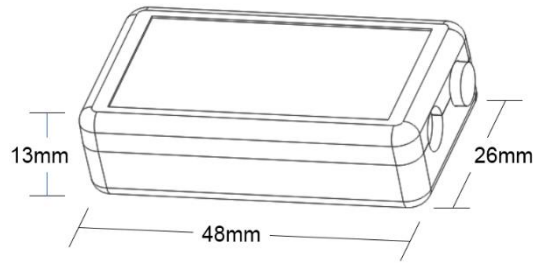
- Designed for single color constant voltage LED lights in Kitchen worktop lighting/ bathroom mirror application.
- DC12-24V, output current: 1ch\*6A.
- Stable sensitivity with ITR sensor, soft light up and down.
- 3-year warranty exclude the artificial situation of damaged or overload working.

### Technical Parameters

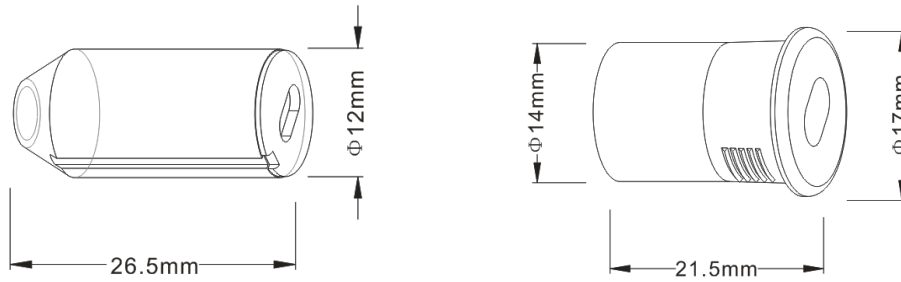
|                                 |                |                          |                     |
|---------------------------------|----------------|--------------------------|---------------------|
| <b>Working temperature</b>      | 0-45°C         | <b>Supply voltage</b>    | DC12V-24V           |
| <b>Static power consumption</b> | <1W            | <b>Sensor</b>            | ITR                 |
| <b>Sensor range</b>             | 0-8CM          | <b>Sensor cable</b>      | 1 meter             |
| <b>External dimension</b>       | L48*W26*H13 mm | <b>Packing size</b>      | L100*W65*H40mm      |
| <b>Net weight</b>               | 50g            | <b>Gross weight</b>      | 65g                 |
| <b>PWM frequency</b>            | 490Hz          | <b>Dimming range</b>     | 0.4%-100%           |
| <b>Output current</b>           | ≤6A            | <b>Max. Output power</b> | 12V:<72W, 24V:<144W |

### Dimensions

Controller:



Sensor:



### Interface Specifications

Input port: DC plug (2.1/5.5, male)

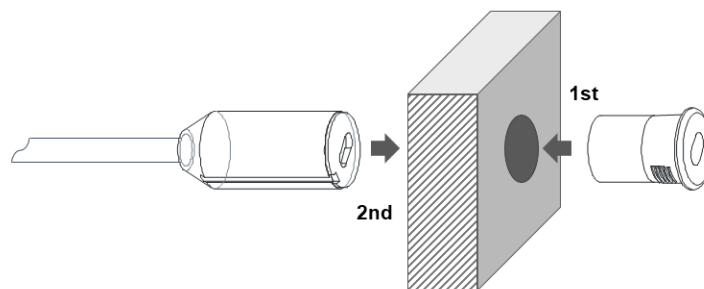
Loading port: DC plug(2.1/5.5, female)



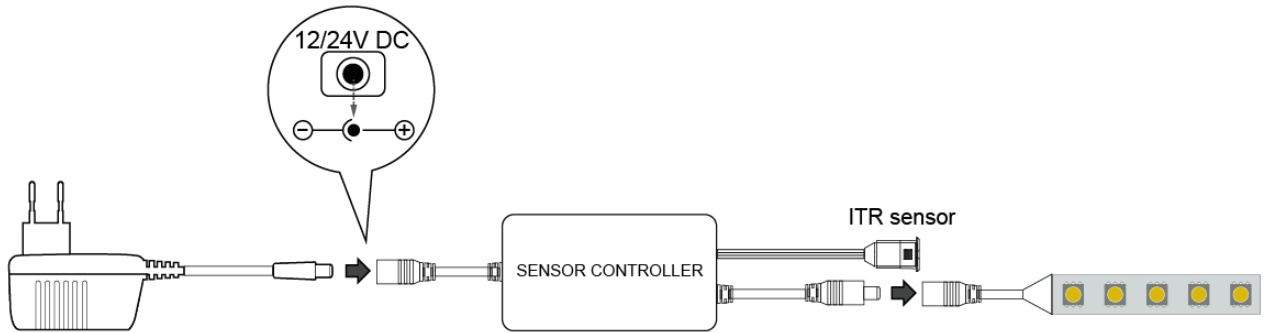
### Direction for use

Short-time (<1.5s) blocking the sensor in 0-8CM range, output lighting will gradually light on/off;  
 Long-time (>1.5s) blocking the sensor in 0-8CM range, output lighting will gradually to brighten up/dim down in turn ( brighten up in this time operation, will dim down in next time operation), smartly and flexibly to adjust the brightness with good use-feeling

Sensor installation:



### Typical Applications



Product information for placing order

| Product name           | Item number   |
|------------------------|---------------|
| MINI sensor controller | HX-MINIO03-HS |