Touchless Motion Sensor Dimmer Switch

Item # 511122

- Provides full range brightness control of low voltage white LED lighting.
- 5 ft. sensor wire lead permits greater flexibility of installation.
- Works with both 12V DC and 24V DC LED lighting.
- Dimming will save energy and extend LED life.

**IMPORTANT**

- For use only with 12V DC or 24V DC low voltage single color LED lighting. Do not connect this device to 120V AC current. For dry location use.
- The dimming features of this device will work only if your LED lighting is capable of PWM dimming. If unsure, ask the manufacturer of your lighting.
- Use only with 12V or 24V DC constant voltage standard electronic power supplies. Not compatible with magnetic power supplies or low voltage power supplies with 120V AC output.
- Suitable for RV and boat interior applications (dry location), this device can be direct wired and powered by an on-board 12V or 24V battery.

**Operation**

This device functions as an on/off switch with full range dimming capabilities and is intended only for use with white or single color LED lighting. Do not use with RGB multi-color lighting.

- The IR sensor will detect any object within its range to trigger operation of the lights. The effective detection range is within 6 inches of the sensor, and can vary slightly depending on environmental variables.
- To operate, simply wave your hand or an object in and then out of the sensor range. This action will either turn your LED lighting on or off.
- To prevent inadvertent operation, there is a minimum detection time (less than a half second) for the sensor to register an action. Rapidly waving a hand or object past the sensor may not trigger the on/off function of the unit.

**Direct Wire Hookup**

1. Make sure power is disconnected while installing the remote touchless sensor.
2. Drill a 1/2 in. diameter hole into your sensor mounting surface. Use the wiring through the hole.
3. Reconnect your sensor wire and press the top of the sensor firmly to insert into the hole.
4. Connect your DC input wires to the wires labeled DC IN (+,–). Connect your output wires from your LEDs to the wires labeled TO LED (+,–). Double-check polarity before applying power to the unit.

**SPECIFICATIONS**

- Input voltage: 12V-24V DC
- Output current: 4A
- Max load with 12V lighting: 48 watts
- Max load with 24V lighting: 96 watts
- Working temp: -4 to 95°F (-20 to 35°C)
- Country of origin: China
- Limited 2-year warranty. Improper installation, improper powering, abuse, or failure to use this device for its intended purpose will void warranty. Proof of purchase is required for all returns. Questions? Email support@armacostlighting.com.

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