Inline Dimmer with Remote

Dimming Option - I

An inline plug-and-play dimmer with radio frequency remote control pad designed for LED lighting applications. It is so tiny that it can be installed anywhere by simply plugging-in between the power adapter and LED lights. The unit has built-in static dimming modes, and dynamic control modes such as quick flashing, fading in/fading out, stroking, and flickering with speed adjustment. The settings are memorized even after the main power is turned off.

KEY FEATURES & BENEFITS

- Easy installation
- Fits into tight spaces

PROFILE VIEW

- Power
- Static color mode
- Increase/decrease brightness (10 levels)
- Increase/decrease brightness (100%/50%/25%)
- Increase/decrease dynamic mode
- Increase/decrease speed (10 levels)

Mode
1. Quick Flash
2. Breathing
3. Fading bright and fading out
4. Fading bright and fading dark
5. Half stroboflash
6. Two-thirds stroboflash
7. One-third stroboflash
8. Flash

Connects to LED lamps (load)

DC male output connector
5.5 mm x 2.1 mm

Connects to VDC 5-24
LED power supply

DC female input connector
5.5 mm x 2.1 mm
# Inline Dimmer with Remote

## WIRING EXAMPLE

![Wiring Diagram](image-url)

## Product Details

<table>
<thead>
<tr>
<th>Part Number</th>
<th>970007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-20 °C (-4 °F) ~ +40 °C (+104 °F)</td>
</tr>
<tr>
<td>Environment</td>
<td>Dry location only</td>
</tr>
<tr>
<td>Controller Dimensions</td>
<td>1 3/8&quot; (35 mm) L x 19/32&quot; (15 mm) W x 3/16&quot; (4.5 mm) D</td>
</tr>
<tr>
<td>Remote Dimensions</td>
<td>3 3/8&quot; (85.9 mm) L x 1 9/16&quot; (39.6 mm) W x 9/32&quot; (6.9 mm) D</td>
</tr>
<tr>
<td>Weight</td>
<td>35 g (1.23 oz)</td>
</tr>
</tbody>
</table>

## Electrical

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>12V DC &amp; 24V DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Wattage</td>
<td>Max. 72 W for 12 V Max. 144 W for 24 V</td>
</tr>
<tr>
<td>Output Current</td>
<td>&lt; 6 A</td>
</tr>
<tr>
<td>Static Power</td>
<td>&lt; 0.5 W</td>
</tr>
<tr>
<td>Output</td>
<td>1 channel</td>
</tr>
</tbody>
</table>

## NOTES

1. One remote pad can control multiple DLC-DIM-RF dimming units. To achieve this, synchronize the dimming units with a control pad with these three steps:
   - Make sure battery (CR2025/CR2032, 3V button battery) is installed.
   - Turn off the power to the dimming unit
   - Press and hold the “light” button on the remote pad for 3 seconds when powering on the dimming unit. The LED light connected will flash 3 times when the synchronizing process is successful.

2. If the remote control does not function, it could be the battery has run out of life, especially when the remote pad was not used for a long time. Exchange the battery and follow the above procedure to synchronize.