Universal slide dimmer

Description
Single Pole & 3-Way
300W Dimmable LED, Dimmable Compact Fluorescent (CFL)
600W Incandescent (INC)/Halogen (HAL), Dimmable Fluorescent (FLR), Magnetic Low-Voltage (MLV), Electronic Low-Voltage (ELV)

Design features
• Preset feature allows user to return to previous light level when turning lights ON
• Device can be wired into either 3-way location (load side or line side)
• Neutral is not required for installation of device
• Adjustable low-level trim setting for optimal lamp compatibility
• Radio frequency interference filtering is standard on all models
• Electrostatic discharge protection
• Precise color matching
• Compatible with any decorator wallplate or screwless decorator wallplate
• Compatible with most common dimmable lighting loads (forward phase-cut)
• Soft gradual ON feature
• Title 20/24 compliant

Table 1. Universal Slide Dimmer

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Compatible Universal Types</th>
<th>Rating</th>
<th>V/AC</th>
<th>Color Suffix</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUL06P-__</td>
<td>Universal slide dimmer, single pole/3-way preset, back and side wire</td>
<td>Dimmable LED/CFL, INC, HAL, FLR, MLV, ELV</td>
<td>300</td>
<td>120</td>
<td>B, BK, GY, LA, V, W</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>600</td>
<td>120</td>
<td>B, BK, GY, LA, V, W</td>
</tr>
</tbody>
</table>

Compliances, specifications and availability are subject to change without notice.
Applications
The universal slide dimmer provides full-range classic linear-slide dimming for 300W dimmable LED and CFL as well as 600W incandescent, halogen, dimmable fluorescent, electronic low-voltage & magnetic low-voltage light sources. These units are ideal for residential and light commercial applications and are compatible with Eaton's Wiring Devices decorator style devices and wallplates. The preset “ON/OFF” switch automatically returns controlled light(s) to a preset level without disturbing the brightness level. The device is designed for both single pole (one location) and 3-way (multi-location) applications, and features a soft gradual ON setting that provides seamless dimming.

Table 2. Specifications

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>SUL06P Series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Device Type</strong></td>
<td>Universal Slide Dimmer</td>
</tr>
<tr>
<td><strong>Wiring Type</strong></td>
<td>Back &amp; side wire</td>
</tr>
</tbody>
</table>
| **Testing & Code Compliance** | • cULus Listed to UL1472, file no. E47967  
  • NOM Certified |
| **Environmental Specifications** | Flammability: Meets UL 94 requirements; V2 rated  
  Temperature Rating: -20°C to 70°C (-4°F to 158°F) |

**Electrical Specifications**
Rating: 120V/AC 60 Hz  
Light Intensity Control: Full-range, continuously variable dimming  
Dimming Performance: Square Law Dimming curve Solid State Dimming  
Radio Frequency Interference: Designed to reduce interference with radio, audio and video equipment  
Power-failure Memory: Light returns to same level prior to power interruption  
Lamp Ratings: 300W Dimmable LED/CFL 600W Incandescent, Halogen, Dimmable Fluorescent, Electronic Low-Voltage, Magnetic Low-Voltage

**Mechanical Specifications**
Wiring Types: Single pole & 3-way  
Voltage Ratings: Permanently marked on device

Table 3. Materials

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>SUL06P Series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Top Housing</strong></td>
<td>Polycarbonate</td>
</tr>
<tr>
<td><strong>Bottom Housing</strong></td>
<td>Polycarbonate</td>
</tr>
<tr>
<td><strong>Strap</strong></td>
<td>Aluminum</td>
</tr>
<tr>
<td><strong>Form Factor</strong></td>
<td>Decorator</td>
</tr>
<tr>
<td><strong>Finish</strong></td>
<td>Gloss</td>
</tr>
</tbody>
</table>

Table 4. De-Rating Chart - 600W Models

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>1-Gang</th>
<th>2-Gang</th>
<th>3-Gang +</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED/CFL</td>
<td>300W max.</td>
<td>300W max.</td>
<td>300W max.</td>
</tr>
<tr>
<td>INC, HAL, ELV</td>
<td>600W max.</td>
<td>600W max.</td>
<td>600W max.</td>
</tr>
<tr>
<td>MLV</td>
<td>600VA max.</td>
<td>600VA max.</td>
<td>600VA max.</td>
</tr>
<tr>
<td>FLR</td>
<td>See Ballast Performance Data pages</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 5. Color Ordering Information
For ordering devices, include Cat. No. followed by the color code: B (Brown), BK (Black), GY (Gray), LA (Light Almond), V (Ivory), W (White)

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>(Brown)</td>
</tr>
<tr>
<td>BK</td>
<td>(Black)</td>
</tr>
<tr>
<td>GY</td>
<td>(Gray)</td>
</tr>
<tr>
<td>LA</td>
<td>(Light Almond)</td>
</tr>
<tr>
<td>V</td>
<td>(Ivory)</td>
</tr>
<tr>
<td>W</td>
<td>(White)</td>
</tr>
</tbody>
</table>

Table 6. Compatibility
Refer to www.Eaton.com/led-dimming
Universal Slide dimmer

Technical Data
Effective July 2019

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**Product Dimensions**

![Diagram showing product dimensions](image)

Figure 1. SUL06P Line Art with Dimensions

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**Wiring Diagrams**

**Single Pole Wiring Diagram**
INC, HAL, LED/CFL, FLR, MLV, ELV

![Diagram showing single pole wiring](image)

**Note:** Location of terminal screws are color-coded with “BK” or “YL”

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**3-Way Wiring Diagram**
INC, HAL, LED/CFL, FLR, MLV, ELV

![Diagram showing 3-way wiring](image)

**Note:** 3-way switch must be used at the other locations.

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**Certifications & Compliances**

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>cULus</th>
<th>NOM</th>
<th>Title 20/24 Compliant</th>
</tr>
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<tbody>
<tr>
<td>SUL06P</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**KEY:**
- cULus
- NOM
- Title 20/24 Compliant

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