Dimulator Stand-Alone Dimming Photocontrol

The Stand-Alone LED Dimming Solution

No Wireless Network Required

Simple, Easy to Deploy

- Saves power, saves money, quickly pays for itself
- Extends fixture life
- Advanced time/date algorithm auto-adjusts for daylight savings
- Just plug it in - will automatically synchronize to local time

Optional Features

- Factory preset dimming – no selector switch
- Constant all night dimming
- Adaptive lighting control with progressive intensities
- High voltage version for 312-530 VAC available

Bat Eye Technology

- Advanced light sensor, only reacts to sunlight
- Immune to LED and other artificial light
- No false activations (no cycling)
- May be oriented in any direction

Reduce Light Trespassing

with the Dimulator

The information in this document is provided for informational use only and is subject to change without notice.

© 2020 by Sunrise Technologies, Inc. All rights reserved.
Unsurpassed construction, electrical, process, and environmental protections make this Dimming Control the highest grade twistlock photocontrol on the market today.

The stand-alone unit is made to work with the ANSI C136.41 receptacle and will provide dimming of LED fixtures.

### Dimming Photocontrol Electrical Information

<table>
<thead>
<tr>
<th>Load Rating</th>
<th>1,000W/1,800 VA</th>
<th>15 Amp relay tested to 15,000 operations on maximum available LED or Induction load</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +70°C</td>
<td>(-40°F to +158°F)</td>
</tr>
<tr>
<td>Surge Protection</td>
<td>40,000 Amps</td>
<td>1520 Joule MOV protection</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>&lt;0.5 Watts</td>
<td>@ 120 V</td>
</tr>
<tr>
<td>Dimming Circuit</td>
<td>0-10 VDC - Class 1</td>
<td>Must be used with Dimmable LED Fixture</td>
</tr>
<tr>
<td>Dielectric Strength</td>
<td>5,000 Volts</td>
<td>Between current carrying parts</td>
</tr>
</tbody>
</table>

### Dimming Photocontrol Mechanical Data

| Bat Eye Technology | Blind to artificial light | <0.5% Drift over 10 Years |
| Printed Circuit Board | Moisture Repellant Glass Epoxy | 0.35 Maximum Moisture |
| Cover | Durable Polypropylene | Field Proven Optimal Solution for Ultra Long Life |
| Base | Polycarbonate 140°C | UL94HB Flame Class Rating |
| Gasket | Neoprene | ASTM D 1056 |
| Operating Light Levels | Turn-on: 1.5 FC, 1.5:1 Off/On Ratio | +/- .25 FC, 3-5 Sec Turn-off Delay |

### Model Numbers

- **DIM4**: 105-305 VAC, 50/60 Hz with 10 position field adjustable selector switch
- **DIM4-HV**: High Voltage 312-530 VAC, 50/60 Hz
- **DIM4-CD**: Constant all-night Dimming
- **DIM4-CUL**: 120 VAC, 50/60 Hz, cUL certified version with grey cover
- **DIM4-ALC**: Adaptive Lighting Control with 2% per year incremental increase to compensate for fixture aging
- **DIM3-XX**: Factory set dimming schedule (10 position selector switch not available)

**Note:** All Dimulators (except for CD and DIM3 versions) have three selectable dimming levels (30%, 50%, 70%) with three different start times (10:00 pm, Midnight or 2:00 am) which are settable through the ten-position selector switch located on the bottom of the base. All dimming schedules will return to full brightness at 5:00 am.