CLOUD-INTELLIGENT
DUAL-CHANNEL
ADJUSTABLE VOLTAGE DRIVER
POWERED BY PoE
Powers Any 12V – 30V Constant Voltage LED or DC Device

- DUAL-CHANNEL ADJUSTABLE VOLTAGE DRIVER WITH 72W POWER BUDGET
- EACH CHANNEL CAN RUN BETWEEN 12V - 30V INDEPENDENTLY OF THE OTHER
- POWERED BY PoE FOR SAFE OUTDOOR INSTALLATION
- MULTI-PURPOSE: INTEGRATE LANDSCAPE LIGHTING INTO SECURITY LIGHTING; POWER AN ALARM SIREN ON ONE CHANNEL AND LANDSCAPE OR SECURITY LIGHTING ON THE OTHER; POWER LED STRIPS; POWER DC MOTORS, ETC.
- SOFTWARE-TUNABLE VOLTAGES FOR LONGER CABLE RUNS WITHOUT VOLTAGE DROPS
- ENABLES LANDSCAPE LIGHTS TO BE TRIGGERED BY MOTION DETECTORS, SECURITY CAMERA OUTPUTS, AND ALARM PANEL OUTPUTS
- ENABLES LIGHTS TO BE CONTROLLED BY PoEWit’s PoE-POWERED MOTION DETECTORS AND WALL SWITCHES, AS WELL AS THE FREE PoEWit APP FOR iOS/ANDROID. LINK ANY LIGHT TO ANY MOTION DETECTOR(S) AND ANY WALL SWITCH(ES).
- SUPPORTS WS2811 RGB LEDs
- COMPATIBLE WITH CONTROL4, CRESTRON, AND URC AUTOMATION SYSTEMS (DRIVERS AVAILABLE FOR DOWNLOAD ON THE PoEWit WEBSITE)
- PoE ACTIVE PROTECTION FOR OVER CURRENT, SHORT CIRCUIT, OVER VOLTAGE AND OVER TEMPERATURE
- DURABLE METAL ENCLOSURE
The MV-1 is a dual-channel adjustable voltage driver that’s compatible with Control4, Crestron, and URC automation systems. Among a multitude of other applications, the MV-1 enables the integration of landscape lighting and outdoor security lighting. With a direct burial Cat cable, the MV-1 can safely power any 12V to 30V LED or DC device. It also supports digitally-addressable WS2811 multicolor LED strip lights, enabling users to select different colors not only for the entire strip, but also for each individual segment.

The MV-1 can also be used to power any device under 72W that requires constant voltage, such as alarm sirens, DC waterfall pumps, water walls, pond motors, etc. The low-voltage driver has an 802.3bt Type 4 PoE (PoE++) input and two independent channel outputs, enabling each channel to run between 12V to 30V, independently of the other. Its software-tunable voltages allow for longer cable runs without voltage drops.

With a PoEWit lighting and security system installed, the MV-1 can power an alarm siren on one channel and landscape or security lighting on the other channel. Adding PoEWit’s MD-1 Motion & Light Sensor to the installation completes the outdoor solution, such that any detected motion can trigger outdoor security lights as well as décor and landscape lights, illuminating the entire property to the user’s desired luminosity.

When powered by the cloud-intelligent MV-1, landscape lights can be triggered by motion detectors, security camera outputs, and alarm panel outputs. All PoEWit lights, as well as any lights connected to PoEWit’s MV-1, can additionally be triggered by PoEWit’s PoE-powered wall switches as well as PoEWit’s free app. The PoEWit app can also be used to increase or decrease luminosity and to setup specific lighting schedules that will trigger lights automatically based on the time of day. With PoEWit’s outdoor lighting and security solutions, any light can be linked to any motion detector(s) and any wall switch(es) for ultimate versatility and optimal functionality.

The MV-1 is perfectly safe for outdoor installation since it’s powered by PoE. Unlike high-voltage AC power, there is absolutely no risk of electrical shock with PoE-powered devices, as the transference of PoE power only occurs when a powered device (PD) is connected to the power sourcing equipment (PSE). If no PD is connected, no power is delivered. Furthermore, once the connection between the PD and PSE is established, the PSE constantly monitors the amount of current being sent and will immediately discontinue sending power if the detected current is too high or too low.

In addition to its multitude of outdoor applications, the MV-1 can also be used indoors for products that require constant voltage.
### HARDWARE SPECIFICATIONS

<table>
<thead>
<tr>
<th>LED Driver Type</th>
<th>Constant Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>802.3bt Type 4 PoE (PoE++)</td>
</tr>
<tr>
<td>Internal Channels</td>
<td>Two (2) Independent Light and Control Channels</td>
</tr>
</tbody>
</table>

### PoE INPUT & OUTPUT

<table>
<thead>
<tr>
<th>PoE INPUT</th>
<th>PoE Output (W)</th>
<th>Min / Max (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PoE</td>
<td>802.3af Type 1</td>
<td>13</td>
</tr>
<tr>
<td>PoE+</td>
<td>802.3at Type 2</td>
<td>25.5</td>
</tr>
<tr>
<td>PoE++</td>
<td>802.3bt Type 3</td>
<td>51</td>
</tr>
<tr>
<td>PoE++</td>
<td>802.3bt Type 4</td>
<td>71</td>
</tr>
</tbody>
</table>

### MECHANICAL SPECIFICATIONS & CERTIFICATION

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>4.4” x 3.52” x 1” (11.18cm x 8.94cm x 2.54cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>6.5oz</td>
</tr>
</tbody>
</table>

### ENVIRONMENTAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Storage Temperature</th>
<th>-40°C to 125°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-40°C to 60°C for operation at full load</td>
</tr>
</tbody>
</table>
The PoEWit Tree of PoE Solutions

- Complete Networking Solution
- Indoor & Outdoor PoE Lighting Solution

- Motion & Light Sensors
- Light Switches
- Constant Voltage Driver
- Architectural Lights
- Access Points
- Routers
- UPSs
- Network Switches
- Recessed Lights
- Wall Packs
- Security Lights
- Architectural Lights
- Access Points
- Routers
- UPSs
- Network Switches