**WIRING:**

**INPUT**

- **BLACK** (LINE)
- **RED** (NEUTRAL)
- **WHITE** (NEUTRAL)
- **PURPLE**
- **GRAY**

**OUTPUT**

- **LED DRIVER**
- **0-10V DIMMER**
- **V+**
- **V-**
- **TREF MAX VALUE (°C)**
- **TREF/VALUE (°C)**
- **TA/VALUE (°C)**

**Lead Lengths**

<table>
<thead>
<tr>
<th>Color</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>5.9&quot;</td>
</tr>
<tr>
<td>Blue</td>
<td>5.9&quot;</td>
</tr>
<tr>
<td>Purple</td>
<td>5.9&quot;</td>
</tr>
<tr>
<td>White</td>
<td>5.9&quot;</td>
</tr>
<tr>
<td>Red</td>
<td>5.9&quot;</td>
</tr>
<tr>
<td>Gray</td>
<td>5.9&quot;</td>
</tr>
</tbody>
</table>

**PHYSICAL:**

- Constant Current LED Driver
- **Model Number:** AC-40CD1.4APKV
- **Input Voltage:** 120-277V
- **Input Frequency:** 50/60Hz
- **Side and Bottom Mount/Leads Options:** < 1 Sec. Start time
- **Dim-to-1% (Default)**

**DIMENSION:**

- **Dimensions:**
  - **Length:** 5.23"
  - **Width:** 2.48"
  - **Height:** 1.18"
  - **Mounting:** 4.84"

- **TREF MAX Value (°C):**
  - **90**

- **TREF/VALUE (°C):**
  - **58.2**

- **TA/VALUE (°C):**
  - **40**

**SAFETY:**

- **Class P Listed**
- **Class A sound rating**
- **Overload Protection**
- **Open/Short Circuit Protection**
- **LED driver has a life expectancy of 50,000 hours at Tcase of ≤75°C**
- **Input/Output Isolation**
- **FCC Title 47 CFR Part 15**
- **Surge Protection (3 KV)**
- **Dim-To-Off Programming Option**
  - **Active:** Code = 78 05 01 01
  - **Inactive:** Code = 78 05 00 01

**INSTALLATION:**

- **Max Remote installation distance is 18 ft**
- **LED drivers shall be installed inside electrical enclosures**
- **18 AWG 600V/105°C tinned stranded copper lead-wires are required for installation**

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Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.
**Driver Option:**
- 12V Output Tap Wire (AC-40CD1.4APTKV)
- (AC-40CD1.4APTMZ)
- • 10% dimming, Dim-To-Off and 1%
- • 10kV Surge Protection
- Consult Factory for model number and form factor

**Phone Instructions**
First you must have an Android device (phone/tablet) with NFC-V app downloaded.
Open App; then place the device on top of the driver matching up sensors until it syncs up.
Basic format
Write
Insert the appropriate code from chart above
Write
Successfully written will appear

**IOUT/VOUT CURVE**

Use with NFC-V Reader App Available Free at Google App Store

![Graph showing IOUT/VOUT curve]

**CONTROL THE IOUT WITH THE PROGRAMMING WAND. DOWNLOAD SOFTWARE FROM**

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Performance Characteristics

Life Time v.s. Case Temperature Curve

Case Temperature Curve (°C)

Derating Curve 120Vac & 277Vac

Load (%)

Outside Driver Ambient Temperature (°C)

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Performance Characteristics

Efficiency v.s. Load

![Efficiency vs Load](graph)

Power Factor v.s. Load

![Power Factor vs Load](graph)

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Performance Characteristics

Output Current v.s. Dimming

Dimming (0-10V)

Output Current v.s. Resistance

Resistance (KΩ)