## **DLA-CA**

# **Smart Circuit Adapter**



The **DLA-CA** brings traditional O-10V dimmable luminaires into the modern world, delivering continuous dimming (on supported drivers) and utility-grade power metering when coupled with any DALI-enabled SCN.

Date:
Quantity:
Company:
Project:

#### **SiteWorx Applications**

SiteWorx Tune



#### **Key Features & Benefits**

- Allows DALI-enabled SCNs to interface with circuits of multiple O-10V luminaires
- Utility-grade integrated power metering for circuits up to 7 Amps when coupled with a DALI-enabled SCN
- Smooth, continuous dimming (on supported drivers) to a wide-range of O-10V LED luminaires when coupled with a DALI-enabled SCN
- Easy mounting into a junction box with a PG-7 (0.5 inch) trade-size knockout
- Suitable for use in a variety of commercial and industrial environments. UL 2043 plenum-rated with small, rugged form factor IP40-rated PC/ABS enclosure, and aluminum enclosure
- Incorporates and extends the SiteWorx wireless mesh network



## **Specifications**

#### **SENSING AND CONTROL**

#### **Lighting Control**

 Delivers continuous dimming (on supported drivers) and utility-grade power metering when coupled with any DALI-enabled SCN

#### **ELECTRICAL**

#### **Input Voltage**

• 120 to 277 VAC, 50/60 Hz

#### **Power Consumption**

0.5 W

#### **Maximum Luminaire Current (Switched AC)**

• 7 A

#### **Power and Control Wires**

- Mains
  - Black: AC Switched Line
  - White: AC Neutral
  - Green: Ground
- Low-Voltage<sup>1, 2</sup>
  - Purple 0-10 VDC+ Dimming
  - Pink: 0-10 VDC- Dimming
- Digital Control<sup>1, 2</sup>
  - Yellow: DALI- Signal
  - Yellow/White: DALI+ Signal
  - Black: DC- Auxiliary Power
  - Red: DC+ Auxiliary Power

#### **Surge Rating**

- Per IEC 60730
- 1 kV line-line / 2 kV line-earth

#### **ENVIRONMENTAL**

## **Operating Temperature**

• -30° to 50°C (-22° to 122°F)

**Ordering Information** 

#### **Operating Humidity**

• 0% to 95%, non-condensing, for indoor use only

#### **PHYSICAL**

#### **Enclosure**

PC/ABS Polymer, Aluminum

#### Dimensions (H x W x D)

• 41 x 104 x 108 mm (1.8 x 4.1 x 4.2 inches)

#### Weight

• 220 g (7.6 oz)

#### **Mounting Options**

- Junction Box Mount (hardware supplied by installer)
- Luminaire Mount

#### **Mounting Hole Diameter**

• PG-7 (0.5 inch) trade-size knockout

#### **WARRANTY**

• 5-Year Limited

#### **CERTIFICATIONS & SAFETY**

#### **Approbations**

• ETL, CE, UKCA, FCC Part 15, RoHS

#### **Environmental Suitability**

IP30





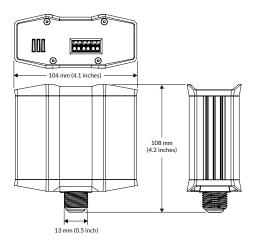
# Part Number DLA-CA

#### Footnotes

<sup>&</sup>lt;sup>1</sup> O-10V, DALI, and DC Auxiliary connections are SELV.

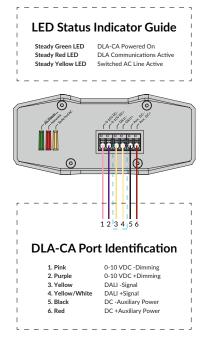
<sup>&</sup>lt;sup>2</sup> Use 18-22 AWG wire for low-voltage connections

## **Dimensions**



## **Wiring Diagrams**

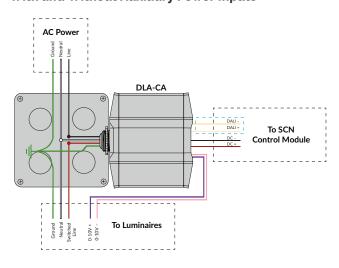
#### **Connection Terminal**



#### NOTES:

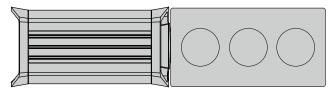
Newer Versions use 2-Wires (Dotted blue line) Older Versions use 4-Wires (Dotted black line) See Installation Instructions for additional wiring methods.

#### With and Without Auxiliary Power Inputs



## **Mounting Options**

#### **Junction Box Mount**



#### **Luminaire Mount**



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