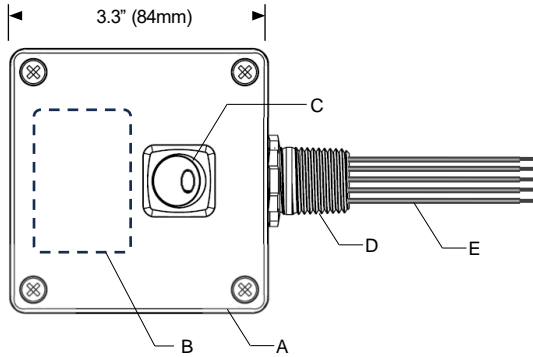
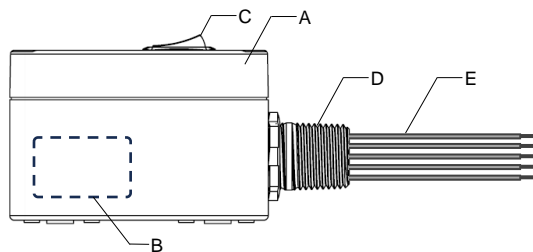


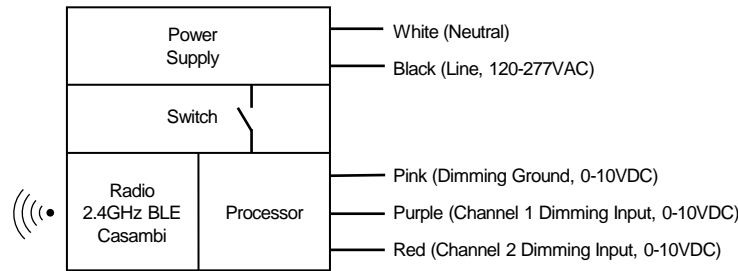
Top View



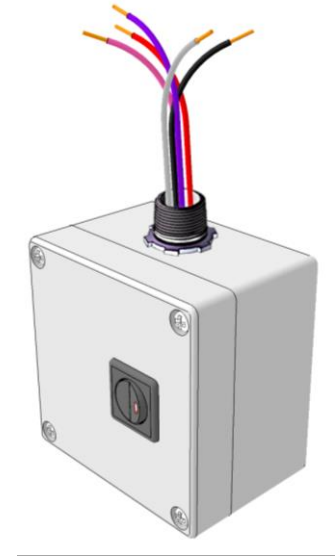
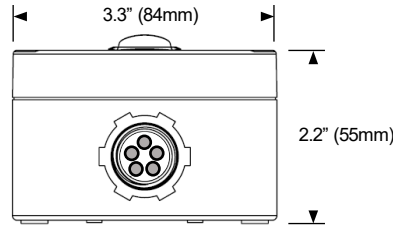
Side View



Block Diagram



End View



Details

- A Plastic enclosure
- B 2-channel 2.4GHz Casambi BLE transmitter
- C Rocker switch with status LED
- D 1/2" threaded nipple
- E Wire leads

Overview:

The **CDT-CA-03** is a two-channel analog 0-10VDC input dimmer that connects to standard 0-10VDC lighting control devices and control systems to implement remote wireless manual switching and dimming of ambient uplights with integral Casambi® Bluetooth wireless controllers. Use the Casambi mobile app to add one or more **CDT-CA-03** dimming transmitter(s) to a Casambi® network consisting of Casambi-enabled ambient lights, and configure each channel to control the uplight in one or more ambient luminaire(s) or luminaire group(s) in the network.

To order:

CDT-CA-03-WH-U-0 Casambi wireless dimming signal transmitter

Features

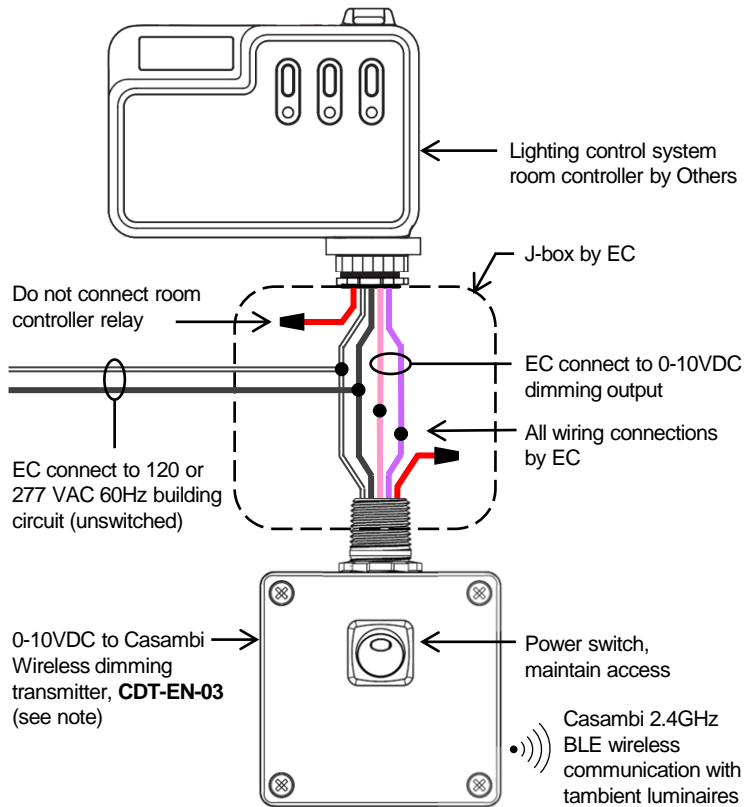
- **Simple installation** – 1/2" mounting nipple facilitates connection to electrical junction box
- **Easy to commission** – use the free Casambi app to implement remote wireless control of ambient luminaires and luminaire groups; integral ON/OFF rocker switch facilitates device identification and pairing in the app
- **Versatile** – works with all third-party 0-10V analog dim-to-OFF lighting control devices and systems
- **Reliable** – self-healing mesh network technology assures communication with remote fixtures in complex spaces
- **Scalable** – an unlimited number of Casambi networks comprising up to 249 ambient lights can be incorporated into a single controllable "site" using Casambi gateway devices
- **Secure** – administrator and operator password protection limits access to configurations and settings
- **Sustainable** – eliminates control wiring to and between lights; allows for future reconfiguration without re-wiring; long product life delivers significant savings

Specifications

- Input (power):** 120-277VAC, 60Hz
- No-load input current:** 1.0 watt
- Input (control):** 2-wire analog, 0-10VDC, two channels
- Communications:** Bluetooth 2.401-2.483 GHz / Casambi
- Transmission range:** 50ft indoor (15m)
- Installation:** 1/2" threaded nipple
- Operating temperature:** -13°F to 113°F (-25°C to 45°C)
- Relative humidity:** 0% to 80% RH (non-condensing)
- Weight:** 13.5 oz. (383 grams)
- Agency listing:** FCC, IC
- Warranty:** 2 years

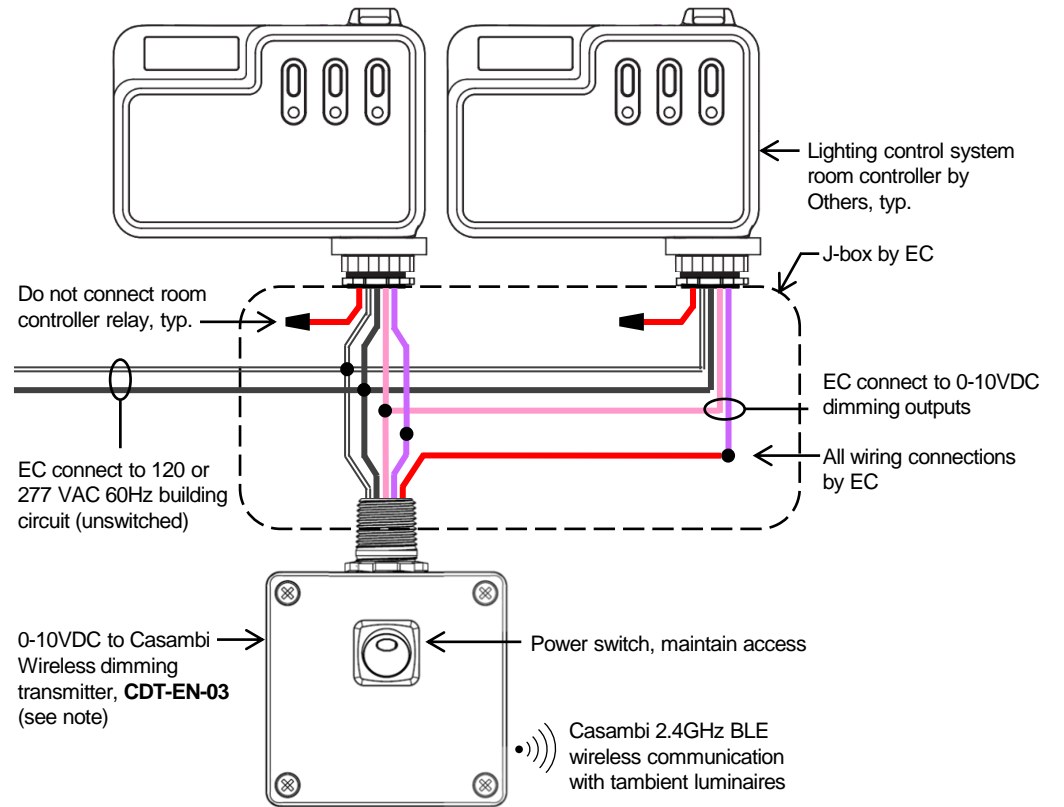


Single Zone Control



Note: Install within 50 feet of nearest controlled tambient luminaire. Avoid metal and masonry barriers.

Dual Zone Control

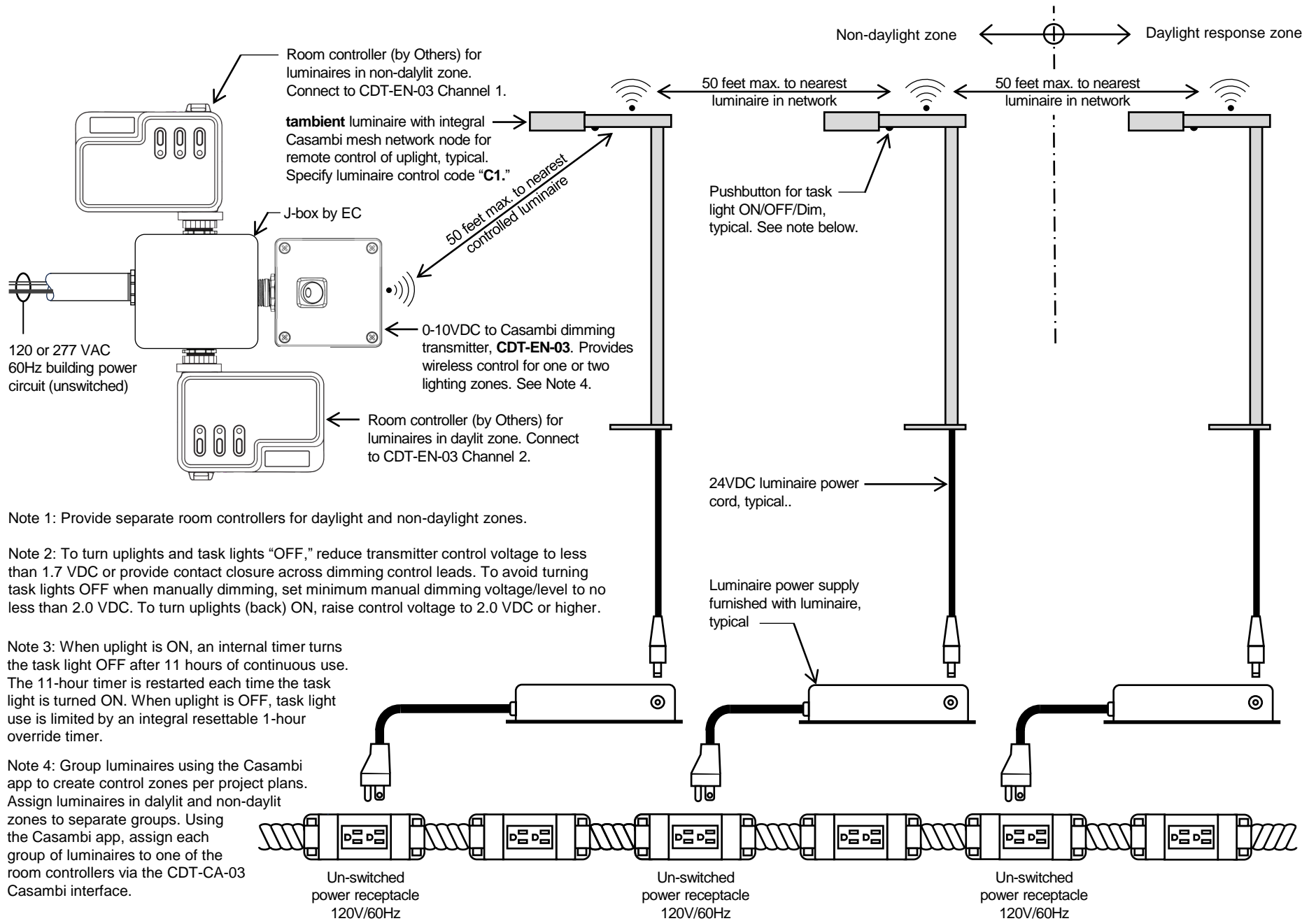


Note: Install within 50 feet of nearest controlled tambient luminaire. Avoid metal and masonry barriers.



tambient from The Lighting Quotient
 114 Boston Post Road, West Haven, Connecticut 06516 USA
 Voice 203.931.4455 • www.thelightingquotient.com

Certain products illustrated may be covered by applicable patents and patents pending. These specifications supercede all prior publications and are subject to change without notice. Copyright © 2023 Sylvan R, Shemitz Designs, LLC, all rights reserved.



Note 1: Provide separate room controllers for daylight and non-daylight zones.

Note 2: To turn uplights and task lights "OFF," reduce transmitter control voltage to less than 1.7 VDC or provide contact closure across dimming control leads. To avoid turning task lights OFF when manually dimming, set minimum manual dimming voltage/level to no less than 2.0 VDC. To turn uplights (back) ON, raise control voltage to 2.0 VDC or higher.

Note 3: When uplight is ON, an internal timer turns the task light OFF after 11 hours of continuous use. The 11-hour timer is restarted each time the task light is turned ON. When uplight is OFF, task light use is limited by an integral resettable 1-hour override timer.

Note 4: Group luminaires using the Casambi app to create control zones per project plans. Assign luminaires in daylight and non-daylit zones to separate groups. Using the Casambi app, assign each group of luminaires to one of the room controllers via the CDT-CA-03 Casambi interface.



tambient from The Lighting Quotient
 114 Boston Post Road, West Haven, Connecticut 06516 USA
 Voice 203.931.4455 • www.thelightingquotient.com

Certain products illustrated may be covered by applicable patents and patents pending. These specifications supersede all prior publications and are subject to change without notice. Copyright © 2023 Sylvan R, Shemitz Designs, LLC, all rights reserved.