

TRAN-L-CSB-D8

Technical Datasheet for Wireless DALI Controller



Description

The TRAN-L-CSB-D8 is a system protocol translator with Casambi integration, converting the wireless commands to a DALI output.

Capable of broadcasting DALI to a maximum of 50 devices, or individually addressing up to 8 DALI devices.

- DALI Broadcast Mode
- Casambi Enabled
- Addressable DALI Mode
- 1 Channel Wireless/DALI Dimming Controller
- Wireless Beacons



Technical Specifications

Mechanical

| | |
|------------|-------------------------------------|
| Housing | Black Plastic Injection Moulded ABS |
| Dimensions | 103mm x 35mm x 28mm |
| Weight | 52g |
| Protection | IP20 |
| Mounting | Screwdowndown |

Input

| | |
|-----------------------|-------------------------------|
| Voltage Range | 120-277VAC |
| Frequency | 50-60Hz |
| Max Mains Current | 20mA |
| No-load Standby Power | <500mW (No loads on DALI bus) |

DALI Output

| | |
|---------------|------------------|
| Voltage Range | 16VDC @ 60mA Max |
| Max. drivers | 50 |

Radio Transceiver

| | |
|-----------------------|-----------------------|
| Operating Frequencies | 2.4Ghz - 2.483Ghz |
| Maximum Output Power | +4dBm |
| Wireless Protocol | Casambi Wireless Mesh |

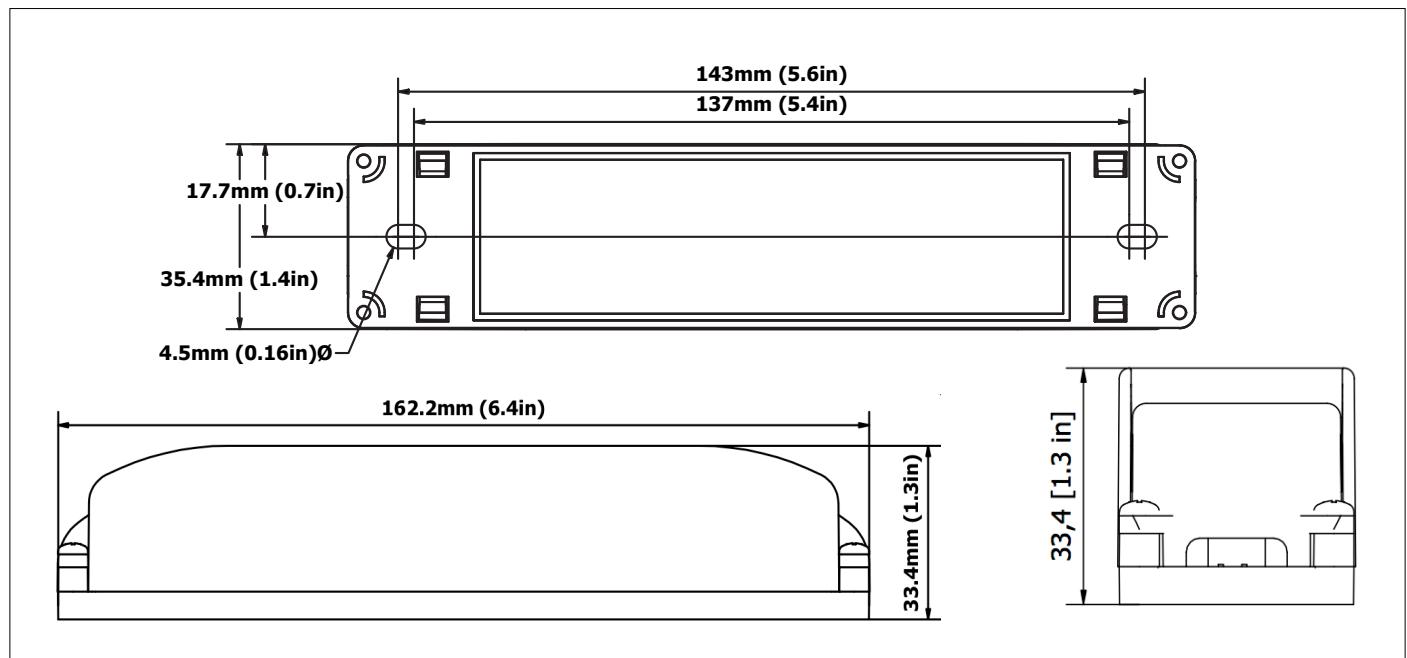
Operating Conditions

| | |
|------------------------|--------------------|
| Ambient Temperature | 0°C to +50°C |
| Max. Case Temperature | +75°C |
| Storage Temperature | -40°C to +80°C |
| Max. Relative Humidity | 80% non-condensing |

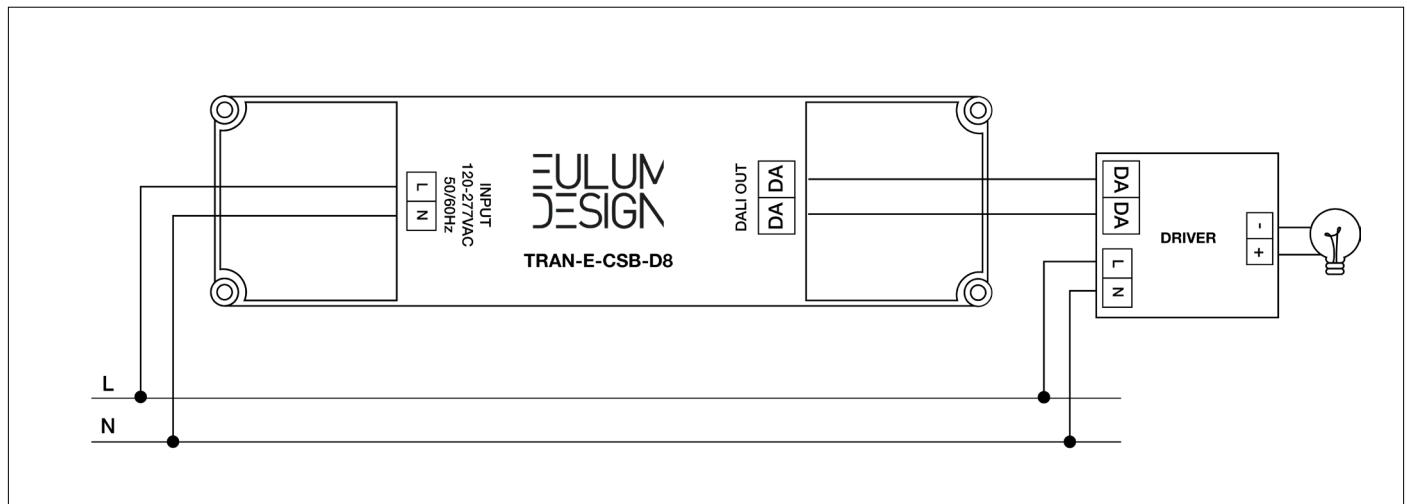
Connectors

| | |
|-------------------|---------------|
| Wire Range | 0.2mm - 1.5mm |
| Wire Strip Length | 5mm |

Dimensions



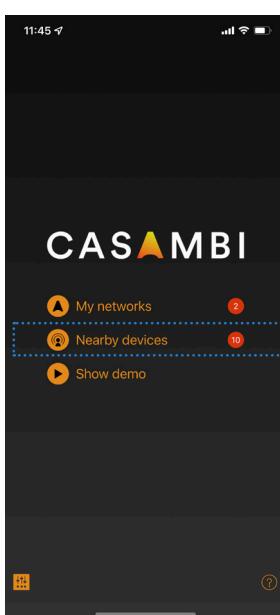
Wiring Diagram



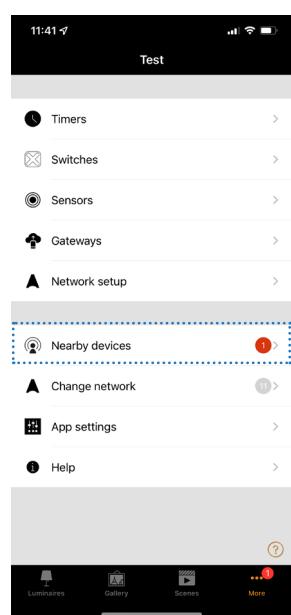
Profiles

| Profile Name | Description |
|----------------|--------------------------------------|
| TRAN-L-CBDA-1A | 1 Address Auto, independent channel |
| TRAN-L-CBDA-2A | 2 Address Auto, independent channels |
| TRAN-L-CBDA-3A | 2 Address Auto, independent channels |
| TRAN-L-CBDA-4A | 2 Address Auto, independent channels |
| TRAN-L-CBDA-5A | 2 Address Auto, independent channels |
| TRAN-L-CBDA-5A | 2 Address Auto, independent channels |
| TRAN-L-CBDA-5A | 2 Address Auto, independent channels |
| TRAN-L-CBDA-8A | 2 Address Auto, independent channels |
| TRAN-L-CBDA-BC | Broadcast, Max. 50 DALI Devices |
| Version | Long Range |

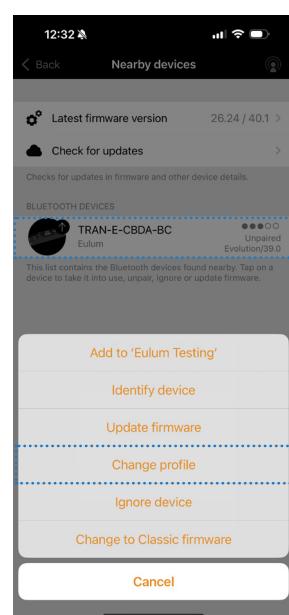
Calibration



1. Power on the device and open the Casambi App, select “Nearby devices”.



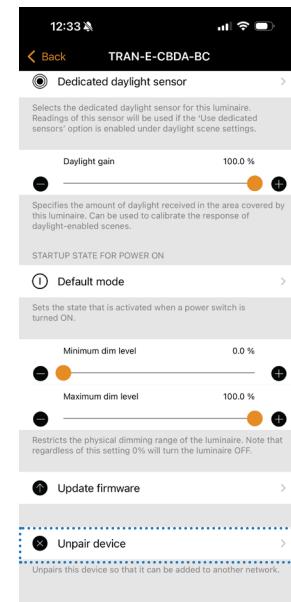
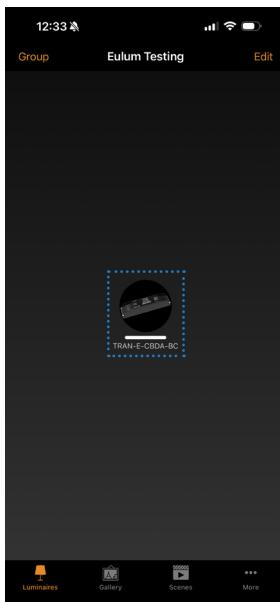
2. Tap “Nearby Devices”



2. Tap the TRAN-D and then “Change profile”.



4. Choose your desired profile.



NOTE: The TRAN must be unpaired to change the profile. To unpair, double tap the TRAN-L-CBDA-BC in the network and scroll to the bottom of the options to “Unpair Device”, then follow step on from Step 1 above.

Range

In open air, the wireless range can reach up to 75m. This will be reduced when placed inside a building. Please note that putting the unit inside a metal enclosure is unadvised as this will dramatically reduce the signal range.

Compatible Devices:

iPhone iOS and later are supported

iPad iOS 10 and later are supported

Android 4.4 version (KitKat) and later are supported.



Warranty

For information on our warranty, please visit: www.eulum.com/warranty/