

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
- Remote Antenna Configuration Available
- 200 Meter Wireless Range (Casambi Long-Range Mode)*

**CASAMBI**

Technical Specifications

Mechanical

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

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	+8 dBm
Wireless Protocol	Casambi Wireless Mesh
Wireless Range	75 Meters (200 Meters in Casambi Long-Range Mode)

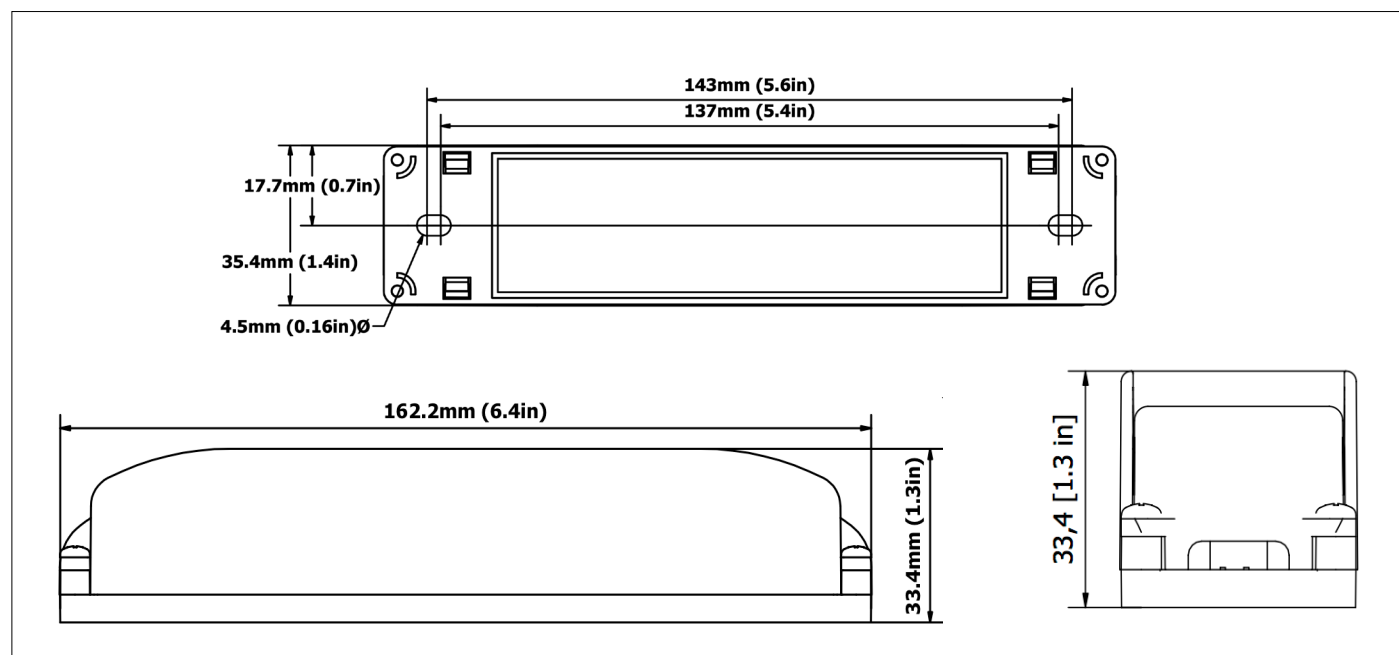
Operating Conditions

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

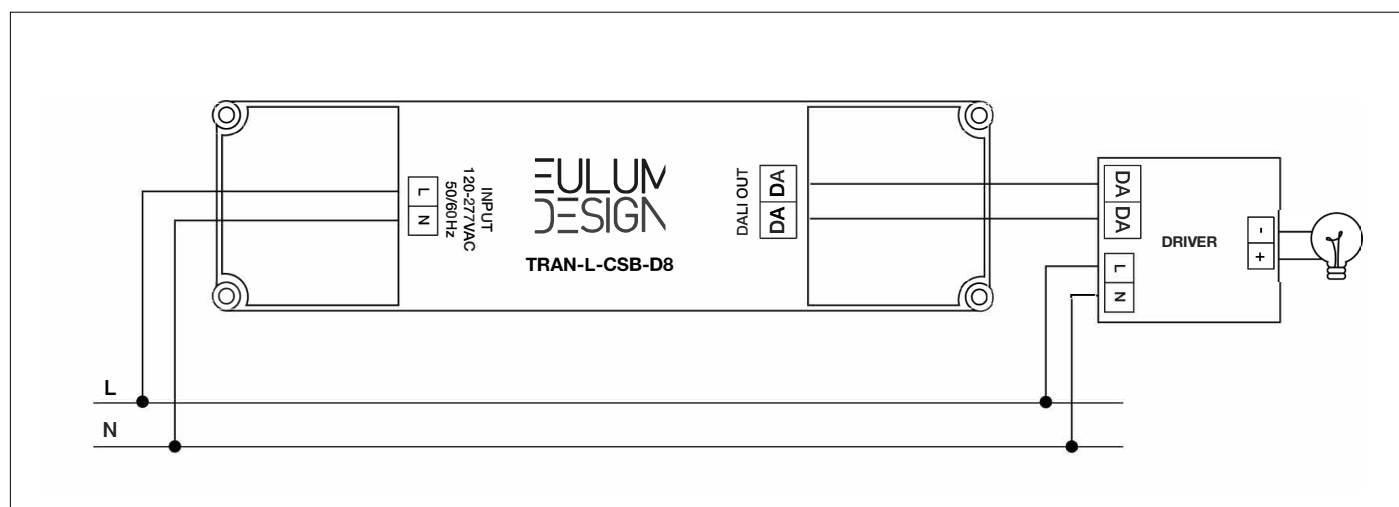
Connectors

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

Dimensions



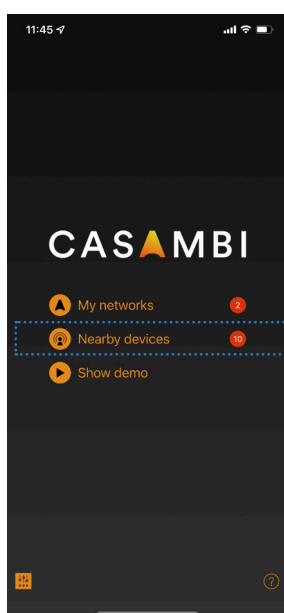
Wiring Diagram



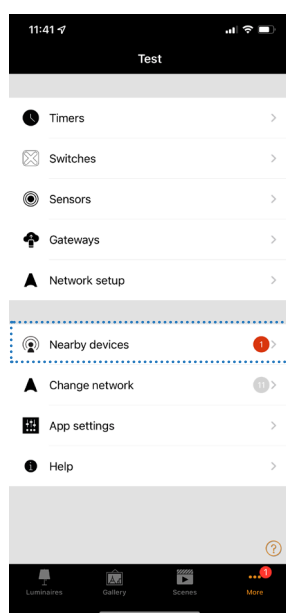
Profiles

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	Evolution/Long Range

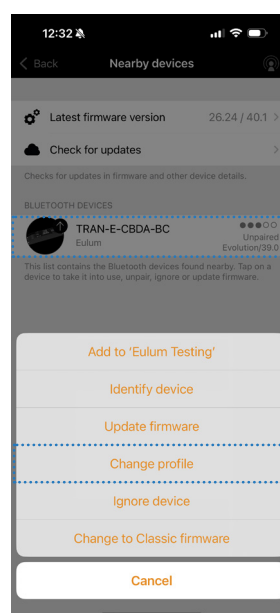
Calibration



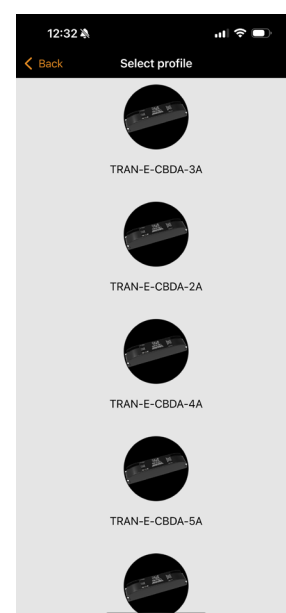
1. Power on the device and open the Casambi App, select “Nearby devices”.



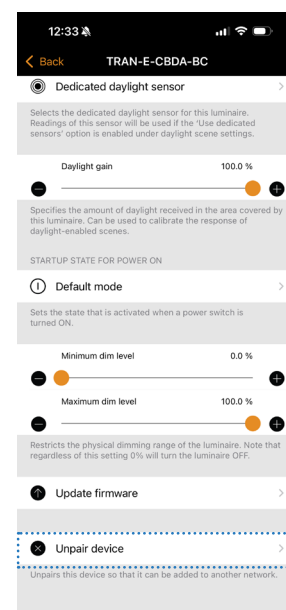
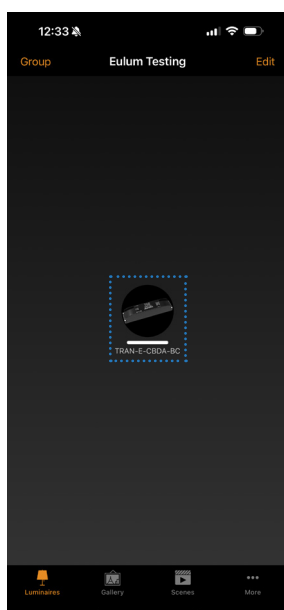
2. Tap “Nearby Devices”



2. Tap the TRAN-D8 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 200m in Long-Range mode. This may be reduced when placed inside a building, or by other environmental factors. In normal mode, the range is up to 75m.

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/