

# TRAN-E-CSB-1

## Technical Datasheet for Wireless 0-10V Translator



### Description

The TRAN is a system protocol translator with Casambi integration, converting the wireless commands to a single 0-10v analogue dimming output. Controllable through the Casambi app.

- Single 1-10V output (max 5 drivers)
- Switched live output with 500w Relay
- Casambi Enabled
- Wireless Beacons



# TRAN-E-CSB-1

Technical Datasheet for Wireless 0-10V Translator



## Description

The TRAN is a system protocol translator with Casambi integration, converting the wireless commands to a single 0-10v analogue dimming output. Controllable through the Casambi app.

- Single 1-10V output (max 5 drivers)
- Switched live output with 500w Relay
- Casambi Enabled
- Wireless Beacons



## Technical Specifications

### Mechanical

Housing	Black Plastic Injection Moulded ABS
Dimensions	162.2mm x 35mm x 33.3mm
Weight	96g
Protection	IP20
Mounting	Screwdown

### Input

Voltage Range	120-277VAC
Frequency	50-60Hz
Max. Mains Current	20mA (excluding switched live load)
No-load Standby Power	<700mW

### 0-10V Output

Output Voltage	120-277VAC
Max. Output Current	10mA

### Switched Live Output

Voltage	120-277VAC
Max. Continuous Current	2A
Max. Inrush Current	165A/20ms

### Radio Transceiver

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

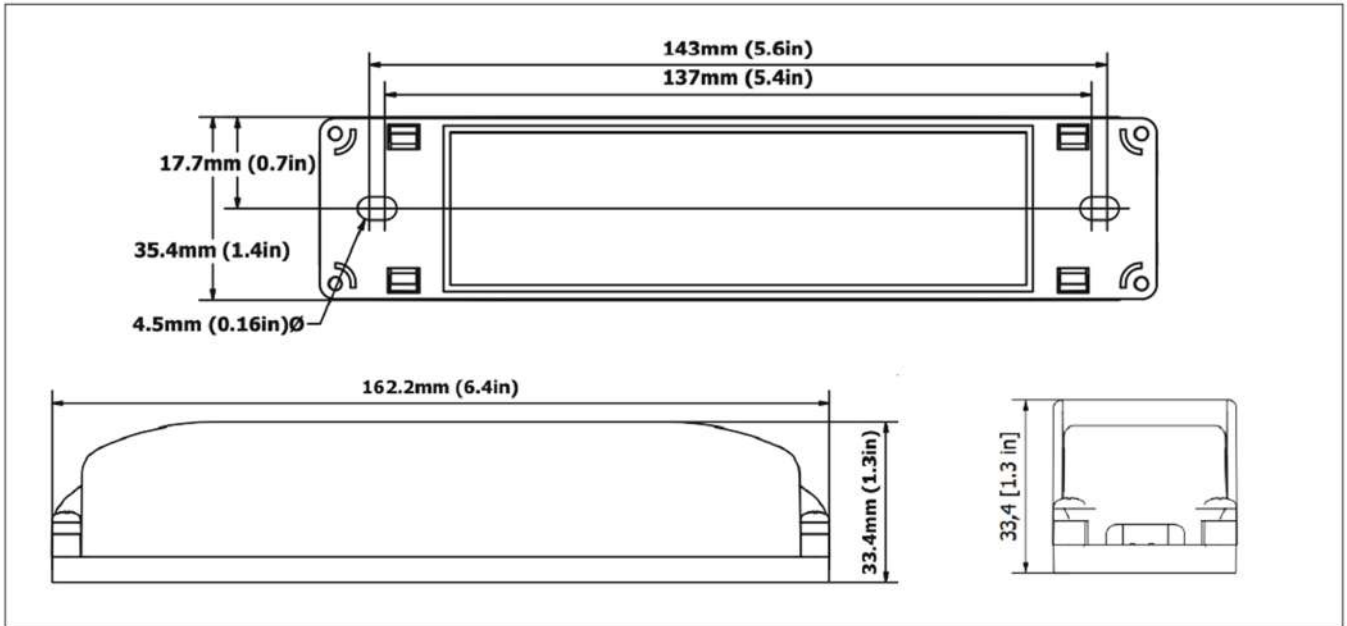
### Operating Conditions

Ambient Temperature	0°C to +50°C
Max. Case Temperature	+65°C
Storage Temperature	-40°C to +80°C
Max. Relative Humidity	80% non-condensing

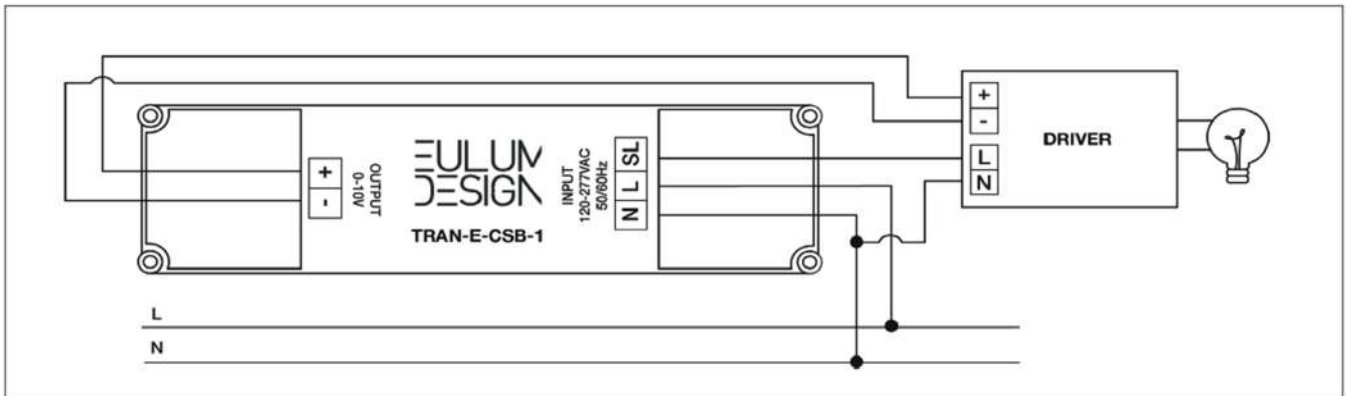
### Connectors

Wire Range	0.5mm - 1.5mm
Wire Strip Length	8mm

## Dimensions



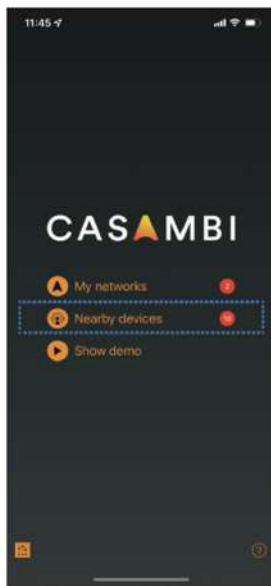
## Wiring Diagram



## Profiles

Profile Name	Description
TRAN-E-CSB-1(LOG)	Single Channel 0-10 Dimmer (Logarithmic Dimming Curve)
TRAN-E-CSB-1	Single Channel 0-10 Dimmer (Standard Dimming Curve)
Version	Evolution

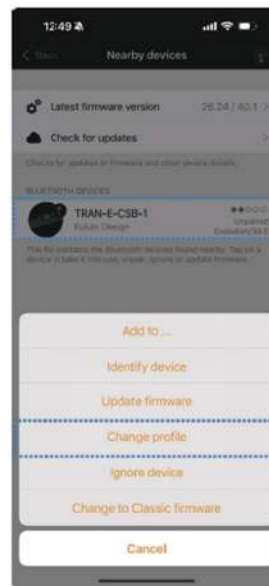
## Calibration



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



2. Tap "Nearby Devices"



2. Tap the TRAN and then "Change profile".



4. Choose your desired profile. TRAN-E-CSB-1(LOG) is the standard profile and will not show.



NOTE: The TRAN must be unpaired to change the profile. To unpair, double tap the TRAN-E-CSB-1 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.

