ENTRY Global Trac

Casambi Ready DALI controller

1. Description

ENTRY Global Trac is a Casambi Ready wireless track DALI controller with integrated DALI power supply. It can control 1-40 DALI track luminaires.

ENTRY Global Trac is fully Casambi compatible and can be a part of Casambi mesh network with up to 250 devices in one network. It can be controlled wirelessly by an Android and iOS device. The Casambi app can be downloaded free of charge from Apple App Store on Google Play Store.

ENTRY Global Trac is plug-and-play compatible with Nordic Aluminium Global Trac Pulse DALI tracks. It supports up to eight groups, so up to 40 luminaires can be controlled in 1-8 separate groups.



2. DALI output

ENTRY Global Trac has an internal DALI power supply with max. 80 mA output current. It can control 1-40 DALI luminaires in up to 8 separate groups.

It can be used either in DALI Broadcast mode, or it can assign the DALI addresses automatically for different channels.

ENTRY Global Trac has an integrated DALI power supply connected to its DALI output. This means ENTRY Global Trac can control DALI luminaires directly without the need for a separate DALI power supply. Before connecting ENTRY Global Trac make sure there are no other DALI power supplies present. This can be verified by measuring the voltage of the DALI line before connecting ENTRY Global Trac to it. The voltage reading should be 0 VDC when there is no DALI power supply connected.

This requirement applies also to LED drivers with integrated DALI power supplies. Make sure their DALI power supplies are turned off before connecting them to ENTRY Global Trac.

Note
The actual control range is affected by the installation location, building materials, etc. The actual realized range must be tested and approved in the final installation.

3. Operating modes

ENTRY Global Trac is a very versatile product. Depending on model, it can control either up to 8 separate channels in many different configurations, such as normal 1-channel dimming, RGB, RGBTW, tunable white, up/down, etc. Also the integrated DALI power supply can be taken into use or disconnected from the DALI output.

Operating modes (profiles) and internal DALI power supply state can be changed using Casambi app.

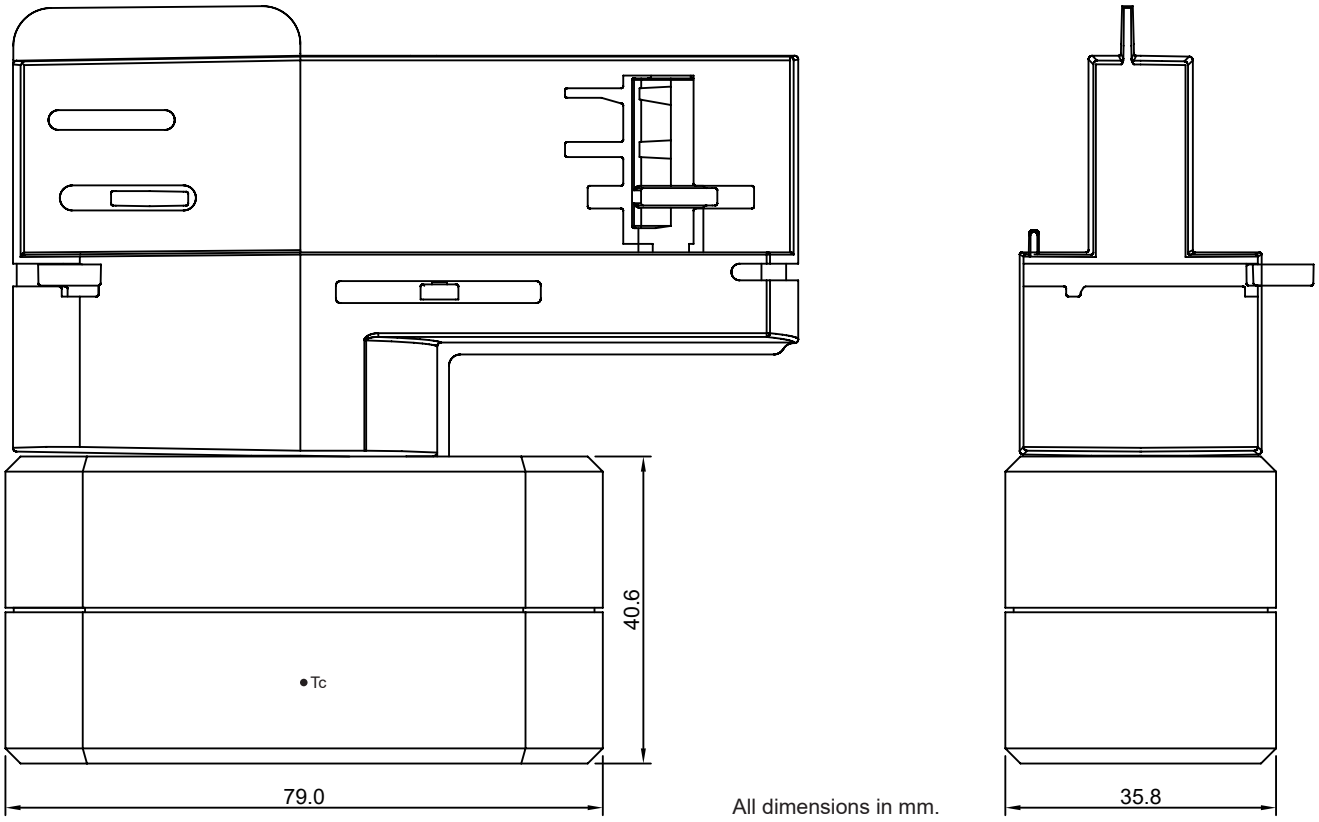
Warning!
Make sure there are no other DALI power supply, including drivers with integrated DALI PSU, powering the DALI line before connecting ENTRY to it.

4. Disposal

Dispose devices in accordance with the WEEE directive to suitable recycling facilities.

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5. Dimensions



All dimensions in mm.

6. Ordering information

Product name	Article number	Qty per carton	Weight per pc	Weight per carton
ENTRY Global Trac, White	2000-07-Entry-TRGLW	8 pcs	TBD	TBD
ENTRY Global Trac, Black	2000-10-Entry-TRGLB	8 pcs	TBD	TBD

7. Technical data

Input	
Input voltage	220-240 VAC
Mains frequency	50-60 Hz
Max. input current	30 mA
Typical power consumption at idle	< 500 mW
Protection class	Class II

Output	
Output type	DALI (compatible)
Output voltage	16 VDC
Guaranteed output current	80 mA
Max. output current	250 mA

Mechanical	
Dimensions (excl. track adapter	79,0x35.8x40,6 mm
Weight	TBD
Protection degree	IP20

Radio	
Frequency range	2402-2480 MHz
Max. transmit power	+8 dBm

Environmental and lifetime	
Ambient temperature, ta	-20...+60°C
Max. case temperature, tc	+75°C
Storage temperature, ts	-20...+70°C
Max. relative humidity	5-85%, non-cond.
Lifetime	up to 50 000 h*

*Lifetime is specified at max. ta with failure probability of less that 10%.

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