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Technical datasheet

DALI ECO BT RTC CONTROL

DALI ECO BT RTC | Control units for light management systems



Product family features

- Compact light control with DALI interface
- Smart phone connection via Bluetooth® to control and configure
- Integrated clock for time based control of brightness and color temperature (HCL)
- Adaptable HCL curve with up to 24 points
- One DALI output channel (Broadcast or Groupcast)
- Up to 32 DALI luminaires connectable
- Supports up to 4 Inventronics DALI sensors and pushbutton couplers
- Daylight-dependent regulation and presence-dependent control of light
- Pushbutton interface to separately control brightness and color temperature
- Supports DALI DT8 Tunable White driver
- Outputs with electronical reversible overtemperature, short-circuit, overload protection
- Length of the DALI control cable: up to 300 m
- Length of the pushbutton cable: up to 50 m
- Suitable for luminaire integration

Product family benefits

- Daytime depending change of brightness and color temperature (HCL)
- Suitable for Human Centric Lighting Applications (HCL)
- Control the light via Smartphone
- Adjustment of all settings via smartphone
- Up to 4 timers with ON-/OFF-Time and weekday configurable
- Simplified startup thanks to predefined operation modes
- Intuitive manual dimming, switching and changing of colour temperature
- Up to 4 groups separatly controllable
- Adjustable Offset for different groups
- Easy Scene creation via App
- Scene-recall via Inventronics DALI PRO PB coupler possible
- Firmware update over-the-air via Bluetooth possible
- Integrated DALI supply
- Control of standard white or Tunable White light acc. DALI device type 8 (DT8)*
- Selected DALI parameters changeable via APP

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Areas of application

- Floor-standing luminaires
- Offices
- Conference rooms
- Training rooms
- Classrooms
- Corridors
- Shop lighting

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Technical data

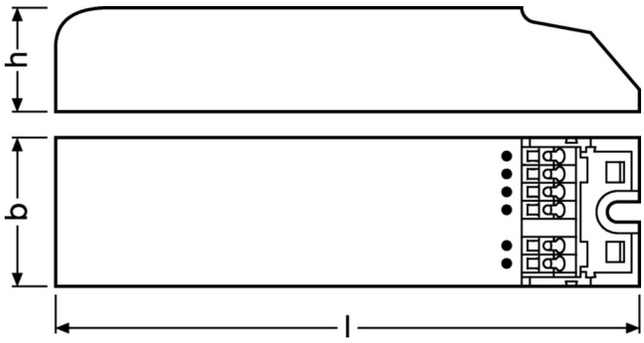
Electrical data

Nominal voltage	230 V
Mains frequency	50/60 Hz
System wattage	3 W

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Dimensions & weight



Mounting hole spacing, length	not relevant mm
Product weight	45.00 g
Length	108.0 mm
Width	30.0 mm
Height	21.0 mm

Temperatures & operating conditions

Ambient temperature range	-20…+60 °C

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Capabilities

Number of control outputs	1
Dimming interface	DALI
Transmitter range	15 m
Type of installation	Luminaire integration / Independent mounting
Scenes	16 [1)]
Max. connectable push button couplers	4 [2)]
App Control	Yes (Android/ iOS)
Commissioning tool	App (Android/ iOS)

1) Each DALI ECG can store up to 16 light scenes.
2) Max number pro DALI line. The actual number depends on the total number of DALI devices (couplers, sensors and ECGs) connected on the same DALI line

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Certificates & standards

Approval marks – approval	CE
Protection class	II
Type of protection	IP20

Logistical data

Commodity code	85371098990

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Primary Article Identifier	4062172016537 | 6977078993753
Date of Declaration	12-06-2026
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

Equipment / Accessories

- Free App for iOS and Android available at the app store
- Ceiling or independent installation via ECO CI KIT possible

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Download Data

File		
Certificates	PDF	►CED_I-E20 Radio converter family - LVD
CAD data	UNKNOWN	►DALI ECO BT RTC | IGS
CAD data	UNKNOWN	►DALI ECO BT RTC | STEP
CAD data PDF	PDF	►DALIECO BT RTC CONTROL | 3-dim PDF
CAD data PDF	PDF	►DALIECO BT RTC CONTROL | 2-dim PDF
Mandatory Publications	PDF	►DALIeco BT RTC Control CE 3585070 04 240225
User instruction	PDF	►DALIeco BT RTC control 15130027 300625

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6977078993753 INVENTRONICS	DALI ECO BT RTC CONTROL	Shipping carton box 25 Pieces	223 x 197 x 179 mm	7.86 dm³	71.48 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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