DALI Daylight

Datasheet

DALI-Bluetooth Interface for setting up Lunatone DALI-systems

Art. Nr. 89453863



DALI Daylight Interface

Overview

- Interface for changing system parameters of DALI-Systems via mobile device
- Android and IOS App available
- all modules in the Bluetooth range are shown in the app
- suitable for the configuration of:
 - light level (manual and auto) (DALI gears)
 - circadian curve of DALI CDC (Lunatone DALI CDC)
 - sensors / motion detectors (Lunatone DALI CS)
 - RTC-timers
 (Lunatone DALI RTC)
- DALI LS: change between manual and automatic control of the light level, setup reference light level
- DALI CDC: Setup the circadian curve (Start/Peak/Stop)

- DALI RTC Timer: 2 on-intervals per weekday
- Motion detector: setup of light level and hold time
- pin protected access
- The DALI Daylight module is configured with the help of the DALI-Cockpit, there the devices, which can be accessed by the app, have to be defined
- Multimaster capable, several modules and other control devices can be installed on the same DALI-line
- The module is supplied directly by the DALI signal line
- suitable for the integration in smart luminaires

Туре	DALI Daylight Interface
article number	89453863
supply	aus DALI-Bus
typ. current consumtion	4 mA
output	DALI
storage temperature	-20°C +75°C
operating temperature	-20°C +75°C
protection class	IP20
connecting wires cross section	0.5-1.5 mm ²
dimensions (lxwxh)	59x33x15 mm
max. number of areas	5
max. number of devices per type (sensor, CDC, RTC)	5



Abmessungen

Specification, Characteristics



Installation

- The DALI Daylight module is supplied directly by the DALI-line (current consumption <4 mA)
- The connection to the DALI-line is polarity free and is protected against overvoltage (mains voltage)
- The smart module is suitable for back box mounting
- Wiring with solid or fine wire with conductor cross section of 0.5-1.5 mm²

Compatible Devices

- DALI dimmer / DALI gears
- DALI CDC (Art. Nr.: 89453853)
- DALI RTC (Art. Nr.: 86459531)
- DALI CS (Art. Nr.: 86458621 and Versions)
- DALI LS (Art. Nr.: 86458674)

Addressing and Configuration

The DALI Daylight module is detected by the PC-Software DALI-Cockpit during the addressing procedure. Afterwards the device can be configured.

DALI-Cockpit and DALI-USB interface are used only for the configuration and can be removed afterwards.

For each device category (luminaires, DALI CDC, DALI RTC Timer, motion detectors) up to 5 devices, that have previously be found during the addressing procedure, can be assigned to the DALI Daylight module. Beside each device the status of the device is shown (once a device it assigned the status can be changed with the app).

For luminaires manual or sensor based control can be selected. Dependent on this selection either a luminaire / group of luminaires or a sensor address can be selected. If a sensor is selected the luminaire address will be copied directly from the sensor settings.

Dev	rice Info Name DALI Daylight Manufacturer Lunatone	BLE Article N Serial N		89453863	Update Firmware Ve	0.2
DA	LI Device Type N/A	Short A			Set	10.5
-	a benee type into	SHOLE	dui caa	EAJ ·	565	
Gen	eral Luminaires DALI CDC	s DALI Timers M	otion D	etectors		
	Sync Luminaries	Synchronisa	tionst	aste		
	Control	Ad	ldress		Au	to Brigh
1:	O Manual Control Only	Group	~	(G0)Group 0	~	
	Sensor Control		(eA0) DALI CS	~	Off
2:	O Manual Control Only	Group	~	(G1)Group 1	~	
	Sensor Control		(eA1) DALI CS	~	Off
3:	Manual Control Only	Single Address	~ (A0) DALI CW-W	W LED Dirr 🗸	
	O Sensor Control					Off
4:	Manual Control Only	none	~		14	
	O Sensor Control				~	Off
5:	Manual Control Only	none	~		~	
	O Sensor Control				÷	Off

In the same way DALI CDCs, DALI RTC timers and motion detectors can be set up for app access in the corresponding tab:

1	ce Info Name Manufacturer I Device Type		Article Number Serial Number Short Address	100	Update Firmware Ver 0.3
iene	ral Luminair	es DALI CDCs DALI	Timers Motion D	letectors	
	Sync CDC	Sy	nchronisationst	aste	
	CDC Devices				Status
1:	(A10) DALI	CDC	~		Enabled
2:	(A11) DALI	CDC	~		Disabled
3:	none		~		Disabled
4:	none		~		Disabled
5:	none		~		Disabled
Ge	räteauswah	h		Status	anzeige

	ce Info Name DALI Daylight BLE	Article Number	89453863	Update
	Manufacturer Lunatone	Serial Number	100	Firmware Ver 0.3
DAL	I Device Type N/A	Short Address	eA5 ~	Set
ene	ral Luminaires DALI CDCs DA	LI Timers Motion D	etectors	
	Sync RTC	Synchronisationst	aste	
	RTC Devices			Status
1:	(A5) RTC Timer	~		Enabled
2:	(A6) RTC Timer	~		Disabled
3:	none	~		Disabled
4:	none	~		Disabled
5:	none	~		Disabled
Ge	räteauswahl		Status	anzeige

	Name DALI Daylight I acturer Lunatone ce Type N/A	BLE Article Number Serial Number Short Address	100	Update Firmware Ver 0.3 Set
neral L	uminaires DALI CDCs	DALI Timers Motion [Detectors	
Sync	Motion Detectors	Synchronisations	taste	
Motio	n Detectors			Status
1: (eA	0) DALI CS	~		Enabled
2: (eA	1) DALI CS	~		Enabled
3: (eA	2) DALI CS	~		Disabled
4: (eA	3) DALI CS	~		Disabled
5: (eA	4) DALI CS	~		Disabled
Gerätea	uswahl		Status	anzeige

Control via App

The parameters of the assigned DALI devices can be changed with an IOS or Android mobile device and the DALI Daylight app. System parameters can be adapted easily at any time without the need for additional interfaces and tools (like DALI-Cockpit or DALI USB interface).

For details see also the App Manual.

The range of the Bluetooth-connection is approximately 10m.

All DALI-Daylight modules in the detection range are shown in the app and can be accessed. For each category of devices the app offers a tab at which the assigned devices can be configured and/or controlled.

Luminaires:

a: On/Off

b: Automatic/Manual lighting control

c: light level reference

d: colour temp slider (for DT8-Tc capable luminaires)



Colour Auto:

Set up of Start/Peak/Stop-time and colour temperature

ad 🕈	10:37	-7 💲 53 % 💷
<	Test Device	
Auto Color Temperature 1		
Start time		06:00
warm	3190К	cool
Peak Time		13:00
warm	6410K	cool
ිං End time		19:00
warm	3690K	cool



Purchase Order Information

Art.Nr. 89453863, DALI-Daylight interface for setting up important parameters of DALI-systems with IOS or Android mobile device

Timer Auto:

Setup of 2 intervals per weekday

ad 🜩	10:37 Test Device		1 \$ 53%
Time Automatic 1			
Monday 04:00-09:00			>
Tuesday			>
Wednesday			>
Thursday			>
Friday			>
)
Saturday			
Saturday Sunday	10:37	4	
Sunday	10.37 Monday	4	
Sunday ad ♥ Cancel		4	\$ 53 % 💷
Sunday ad * Cancel Interval 1			\$ 53 % 💷
Sunday ad * Cancel Interval 1 from 04:00		52.	* 53 % 🗐 Done
Sunday ad * Cancel Interval 1 from 04:00	Monday	52.	‡ 53 % Done 09:00
Sunday ad * Cancel Interval 1 from 04:00 dark	Monday	52.	‡ 53 % Done 09:00
Sunday ad * Cancel Interval 1	Monday	52.	09:00

Motion Auto:

- Activate/Deactivate sensor
- Setup ambient light threshold
- Light-level and holdtime
- Second light level and holdtime

Additional Information and Equipment

Lunatone datasheets, manuals and software http://www.lunatone.com/en/downloads-a-z/

Lunatone DALI products <u>http://www.lunatone.com/en</u>

Mobile App Manual https://www.lunatone.com/wpcontent/uploads/2018/07/89453863 DALI_Da ylight_Manual_EN_M0019.pdf

Contact

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Disclaimer

Subject to change. Information provided without guarantee. The datasheet refers to the current delivery.

The compatibility with other devices must be tested in advance to the installation.