LED DALI DT8 to DT6 converter - User Manual

Item no.: LC-004-805

1. Product Description

DALI-interface module for the conversion of DALI DT8-Tc commands to DALI DT6 commands. For tunable white control of 2 DALI DT6 1-channel LED power supplies. Das Modul findet in einer Unterputzdose Platz. Konfiguartion via PC Softwaretool DALI-Cockpit und mit DALI USB Interface.

2. Specifications

power supply	aus DALI-Bus
typ. current consumption	2mA + Strombeda<rf Subkreis
Input/Output	DALI / 2x DALI
number of DALI addresses	1 (DT8)
max. wire cross-section	upto 1,5 mm2
dimensions (l x w x h) in mm	59 x 33 x 15mm
weight	14g

3. Description

1. conversion of DALI DT8-Tc commands to DALI DT6 commands
2. for tunable white control of 2 DALI DT6 1-channel LED power supplies
3. 1 DALI Address (DT8, Type Tc)
4. Separate outputs for coldwhite and warmwhite channel (factory default)
5. Alternative output mode: dimlevels for coldwhite and warmwhite channel are sent to groups (G0 and G1)
6. Easy system expansion with the help of DALI Expander, DALI Expander 3 or Repeater PS
7. configuration with PC-software tool DALI-Cockpit and DALI USB interface

4. Dimensions
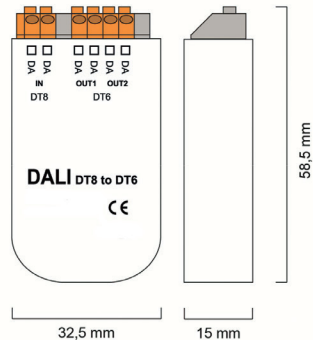
## 5. Instruction

Installation

The devicd is supplied by the DALI-signal line. The current consumption depends on the number of connected DALI ballasts. The own consumption is 2mA.
If more dimmers shoudl be connected to the output the number of led power supplies can be increased easily with the help of DALI Repeater PS, DALI Expander or DALI Expander 3.

Function

The DALI DT8 to DT6 converter represents one control gear on the DALI-line (DT8, Mode Tc). Commands for diming and colour temperature adaption are converted in dimlevels for a cold white and a warm white channel. Depending on the output mode the dimlevels are sent either broadcast on two separate outputs (Out1: cold; Out2: warm, factory default) or on both outputs to group G0 (cold) and G1 (warm).

The output mode (DT8 to DT6 Trnsmit Mode) can be set easily in the DALI-Cockpit in the tab „Extensions".
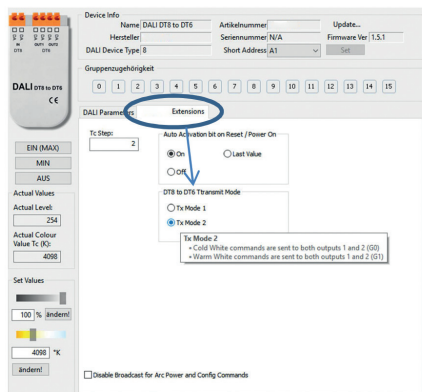
6. Wiring Diagram

Bei 1 DALI Aktor pro Ausgang am DT8 auf DT6 Umsetzer
With 1 DALI device per output on the DT8 to DT6 converter

DALI AKTOR WW

DALI AKTOR CW

DA
DA
DA
DA

DALI OUT 2 DT6 | WW
DA
DA

DALI OUT 1 DT6 | CW
DA
DA

DALI IN DT8
DA
DA

DALI DT8 auf DT6 Umsetzer
DALI DT8 to DT6 converter
LC-004-805

230V~ POWER
PE
L
N

L
N
POWER IN 230V~

DALI PS2 Bus Stromversorgung
Leuchteneinbau | Bus Power Supply
Fitting In Luminaires
LC-004-150

DALI OUTPUT max. 220mA ca.16V=
DA
DA

DALI Tuneable White Controller DT8
DA
DA
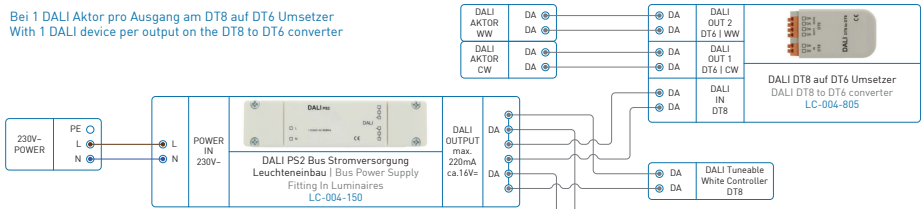
Bei mehr als 1 DALI Aktor pro Ausgang am DT8 auf DT6 Umsetzer wird ein Expander benötigt
With more than 1 DALI device per output on the DT8 to DT6 converter, an expander is required

DALI OUT 2 DT6 | WW
DA
DA

DALI OUT 1 DT6 | CW
DA
DA

DALI IN DT8
DA
DA

DALI DT8 auf DT6 Umsetzer
DALI DT8 to DT6 converter
LC-004-805

DALI INPUT
DA
DA

SWITCH DIM
L'

POWER IN 230V~
L
N

DALI Expander
Output: max. 64 DALI Aktoren
LC-004-164

OUTPUT DALI
DA
DA
DA
DA
DA
DA

DALI AKTOR 1 CW
DA
DA

DALI AKTOR 2 CW
DA
DA

DALI AKTOR 3 CW
DA
DA

DALI INPUT
DA
DA

SWITCH DIM
L'

POWER IN 230V~
L
N

DALI Expander
Output: max. 64 DALI Aktoren
LC-004-164

OUTPUT DALI
DA
DA
DA
DA
DA
DA

DALI AKTOR 1 WW
DA
DA

DALI AKTOR 2 WW
DA
DA

DALI AKTOR 3 WW
DA
DA

230V~ POWER
PE
L
N