DALI-2 Touchpanel 8P DA2
Operating and control unit

Product description

- Capacitive DALI-2 Touchpanel with 8 freely programmable touch buttons
- Suitable for integration and in combination with DALI-2 compliant central control units (e.g.: Tridonic products sceneCOM evo and sceneCOM S)
- Multi-master compatible: Multiple control modules are possible in a DALI system
- Power supply via DALI line
- Two colour variants available: black (28004783) and white (28004782)
- 5 years guarantee (conditions at www.tridonic.com)

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DALI Touchpanel 8P DA2 WH

DALI Touchpanel 8P DA2 BK

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Technical data

Supply via	DALI cable
Supply voltage[1]	9.5 – 22.5 V
Current draw[2]	2 mA
Interface	DALI
Starting time	< 150 ms
Ambient temperature ta	0 … +50 ℃
Max. casing temperature tc	60 ℃
Storage temperature ts	0 … +50 ℃
Humidity	5 % … max. 85 % (non-condensing)
Type of protection	IP20
Casing material	PC
Casing colour	RAL 9010 (white) / RAL 9005 (black)
Mounting	Mounting box: 60 x 40 mm (ø x d)
Dimensions (L x W x H)	86 x 86 x 29.2 mm

[1] Uin acc. IEC 62386-101.
[2] Max. current draw is 10 mA.
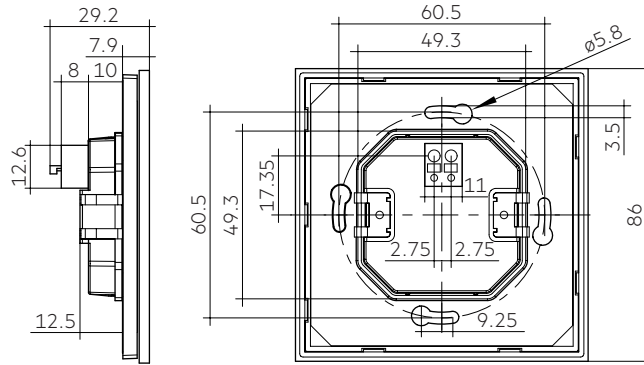
Ordering data

Type	Article number	Packaging, carton	Weight per pc.
Touchpanel 8P DA2 WH	**28004782**	10 pc(s).	0.12 kg
Touchpanel 8P DA2 BK	**28004783**	10 pc(s).	0.12 kg

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1. Standards

EN 55015
EN 61347-1
EN 61347-2-11
EN 61547
EN 62386-101 Ed.2.0
EN 62386-103 Ed.2.0
EN 62386-301 Ed.2.0

1.1 DALI note

⚠️ Device is developed according to DALI Standard EN 62386-101 Ed.2, also known as DALI-2.
To be able to use the device in such installation, an application controller is necessary.

Following table shows the instances and which values they provide.

DALI instances	
Instance number①	**Explanation**
0 – 7	Push button DALI Part 301

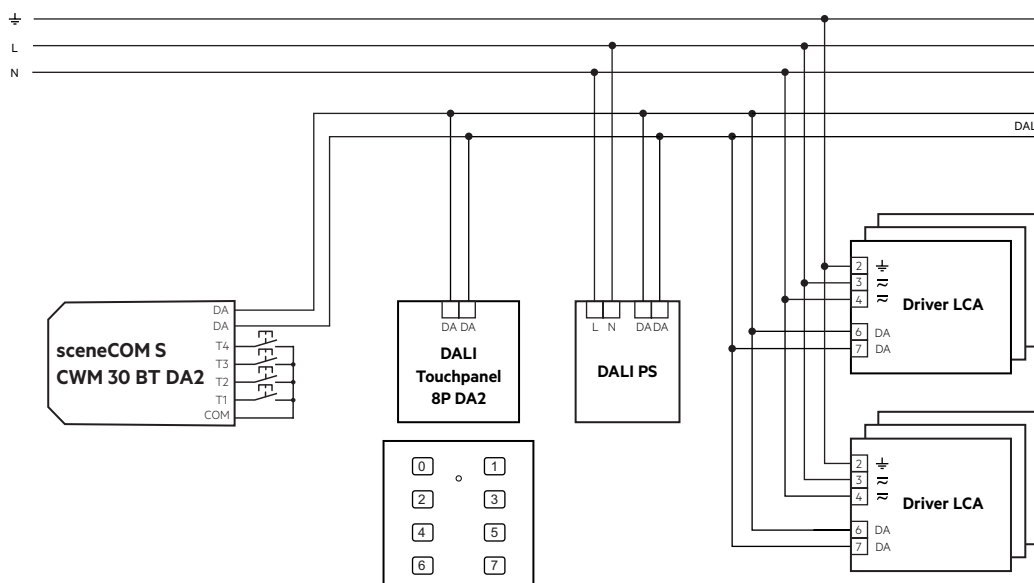① The order of the instances is visible in the wiring diagram.

Behind every instance 2 feedback LED's are located.
The LEDs can be switched on or off if the Application controller supports this feature.
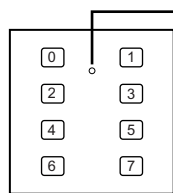
In addition a feedback LED is build in in the top middle. This LED lights up red briefly when a button is pressed. So the user gets an optical feedback every time he pushes a button.

1.2 Glow wire test

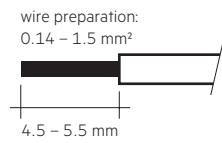according to EN 61347-2-11 passed for temperatures up to 850°C.

2. Installation / wiring

2.1 Wiring diagram

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2.2 Wiring type and cross section

wire preparation:
0.14 – 1.5 mm²

4.5 – 5.5 mm

For wiring use stranded wire with ferrules or solid wire from 0.14 to 1.5 mm².

2.3 Safety instructions:

- **DALI is not SELV.** Apply the installation instructions for mains voltage.
- Installation: fixed only, in a clean and dry environment.
- Supply: via DALI control line only; no mains voltage allowed.
- DALI control line: use standard installation material for low-voltage systems (< 1000 V); only tree, linear and star topologies permitted; cores may be reverse connected.
- Terminals D1/D2: do not connect with mains line.
- Terminals: when using solid conductors, connect only one per terminal.
- Handle with care, the glass may be damaged if dropped, burned, punctured or crushed.
- Static electricity, sweat, oil and other impurities on your hand or on the touch panel may result in a not responsive touchscreen. If this happens please make sure to clean the touch panel and your hands.
- The device may only be used for the application area specified.
- Relevant health and safety regulations must be observed.
- While assembling and installing the device, the voltage supply must be disconnected.
- Only qualified personnel may assemble, install and commission the device.
- If an error occurs, dangerous voltage levels may be present at the DALI terminals and on the DALI control line.

⚠️ There is a risk of electric shock when touching these terminals in case of failure.
Note: In some countries basic insulated control terminals are to be marked with this symbol.

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2.4 Installation:

Push button function label can be printed and customized, to better indicate whatever functions configured to the push buttons.
Following illustration visualizes the installation:

Function label
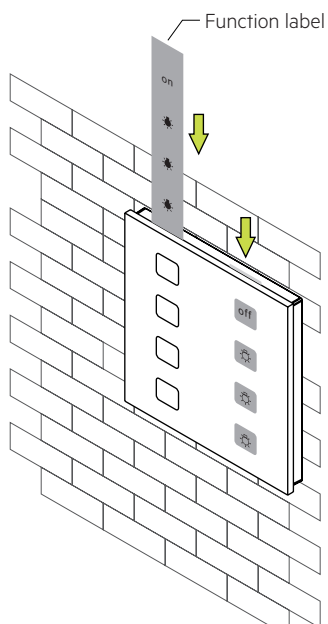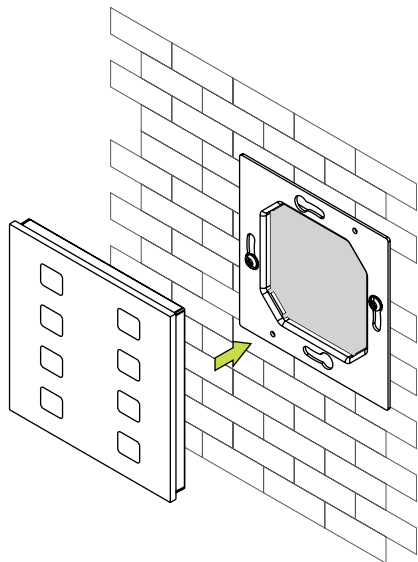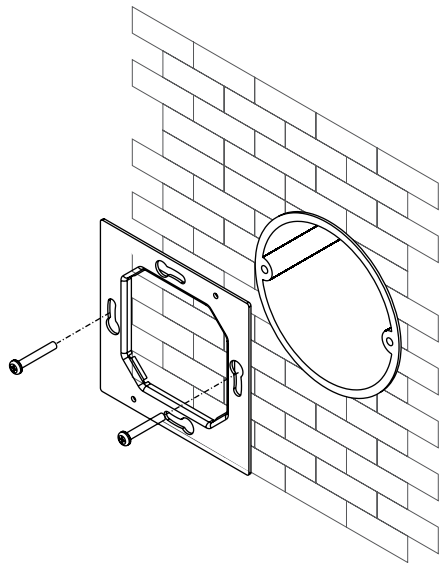
Examples labels:
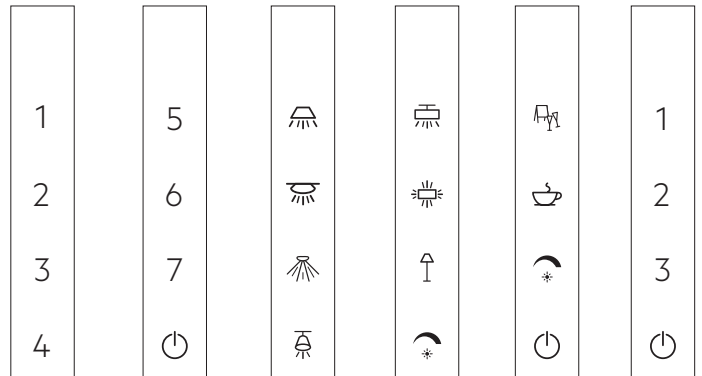
3. Miscellaneous

3.1 Disposal

According to the WEEE directive return old equipment at appropriate collection facilities.

3.2 Additional information

Additional technical information at www.tridonic.com → Technical Data

Guarantee conditions at www.tridonic.com → Services

Lifetime declarations are informative and represent no warranty claim. No warranty if device was opened.

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