

**DALI XC G3 CWM 30 DA2**

DALI-2 control module with switch inputs



**Product description**

- \_ DALI-2 input controller
- \_ Compatible with DALI-2 certified Application Controller
- \_ Suitable only for DALI-2 certified or compatible lighting control systems, not compatible with Tridonic's comfortDIM system
- \_ 4 independent inputs enabling connection of floating contact, standard momentary switches
- \_ Multiple DALI XCs possible on the DALI-2 line
- \_ Power supply via DALI-2 line
- \_ Connection wires according to the terminal colours with 25 cm length included
- \_ 5 years guarantee (conditions at <https://www.tridonic.com/en/int/services/manufacturer-guarantee-conditions>)

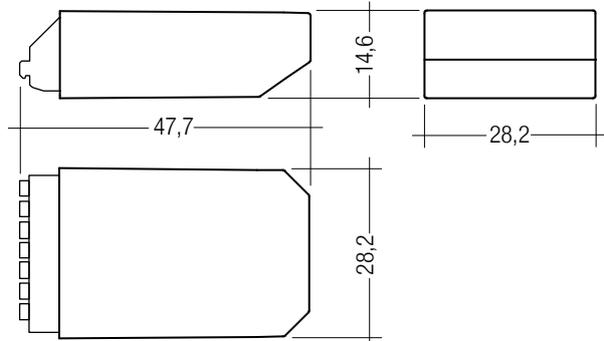
**Website**

<http://www.tridonic.com/28002877>



**DALI XC G3 CWM 30 DA2**

DALI-2 control module with switch inputs

**Ordering data**

Type	Article number	Packaging, carton	Weight per pc.
DALI XC G3 CWM 30 DA2	28002877	60 pc(s).	0.087 kg

**Technical data**

Supply via	DALI-2
Supply voltage <sup>①</sup>	9,5 – 22,5 V
Current draw <sup>②</sup>	max. 6 mA
Input	4 momentary-action switches or relays
Ambient temperature ta	-40 ... +70 °C
tc point	75 °C
Storage temperature ts	-25 ... +60 °C
Humidity	20 ... 90 % not condensed
Starting time	≤ 6 s
Type of protection	IP20
Mounting	Mounting box 60 x 61 (ø x d)
Housing material	Polycarbonate
Housing colour	Light grey, similar to RAL 7035
Dimensions L x W x H	47.7 x 28.2 x 14.6 mm
Lifetime	up to 50,000 h
Guarantee (conditions at <a href="http://www.tridonic.com">www.tridonic.com</a> )	5 Year(s)

**Approval marks****Standards**

EN 61347-1, EN 55015, EN 61347-2-11, EN 61547, EN 62386-101, EN 62386-103, EN 62386-301

① Uin acc. IEC 62386-101.

② Products produced before 9th May 2022 max. 10 mA.

### 1. Standards

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

#### 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.

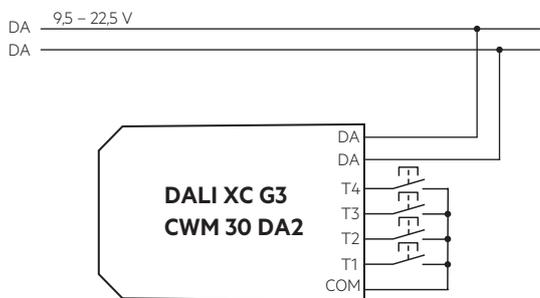
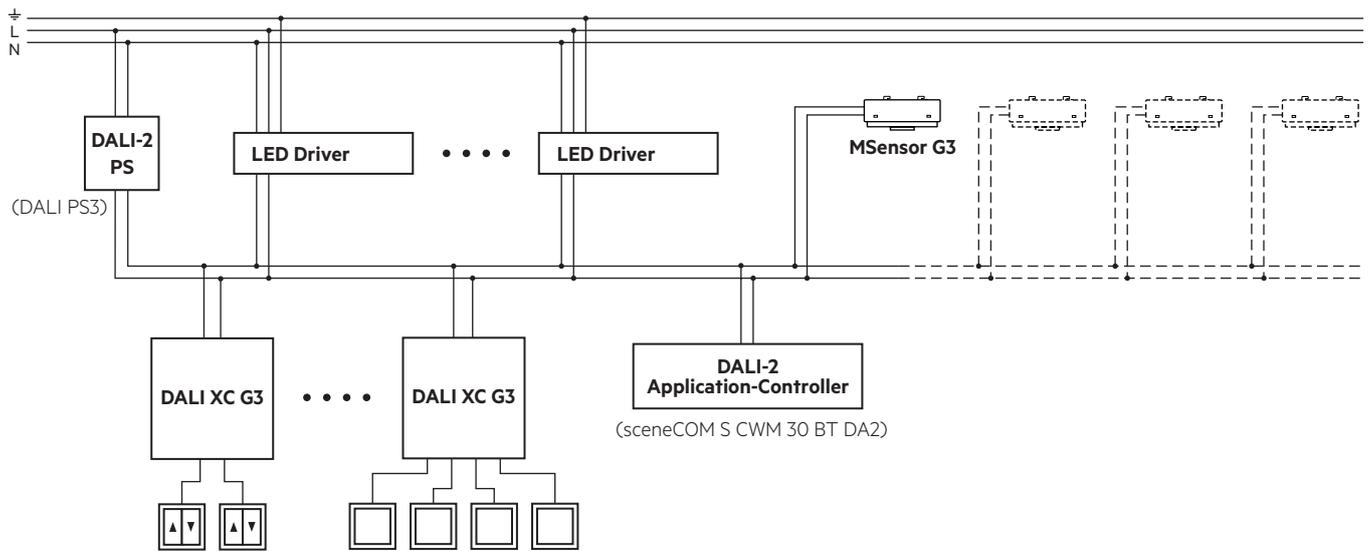
#### 1.2 Glow wire test

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

### 2. Installation

- The device is declared as indoor device, meaning it is intended to be used within a luminaire enclosure or in a flush-mounting box. If the product is used in a different environment, the installation must provide suitable protection for people, device and environment.
- Device must not be connected to the mains. It is supplied directly via the DALI-2 signal line.
- The momentary switches are connected directly to the device (potential free contacts) and must not be connected to the mains.
- DALI-2 signals are not SELV. Therefore the same procedures should be applied as working with mains voltage.
- Only one momentary switch each device output.
- Multiple devices can be used on the same DALI-2 network.

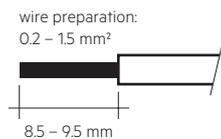
2.1 Connection diagrams



2.2 Wiring type and cross section

For wiring use stranded wire with ferrules or solid wire from 0.2 to 1.5 mm<sup>2</sup>. Maximum cable length between momentary switch and device is 50 cm.

Connecting wires are supplied inside the package.



2.3 Terminals

- Orange = DALI D1 and D2
- Grey = Push button inputs T1 - T4
- Purple = Push button common

2.4 Terminal and instance description

Device supports the full push button functionality according to IEC62386-301. The device has 4 button terminals. These correspond to the 4 implemented DALI 301 instances:

Terminal	Instance nr.
T1	0
T2	1
T3	2
T4	3

4. Miscellaneous

4.1 Disposal



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

4.2 Additional information

Additional technical information at [www.tridonic.com](http://www.tridonic.com) → Technical Data

Guarantee conditions at [www.tridonic.com](http://www.tridonic.com) → Services

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