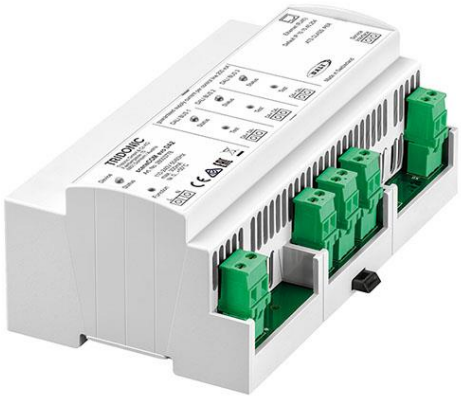
TRIDONIC

sceneCOM evo DA2

sceneCOM evo DA2 – multi-channel lighting controller



Product description
_ Single Master DALI-2 application controller
_ Independent lighting control for up to 192 DALI control gears on 3 DALI lines
_ Compatible with DALI MSensor G3 and XC G3 DALI-2 controlls
_ Simple setup via WEB interface
_ Cross DALI line control
_ Extension of functionalities via software licenses
_ DALI emergency lighting control gear test scheduling and monitoring (number of emergency lighting units depending on the activated software license)
_ Complying with IEC 62034
_ 5 years guarantee (conditions at https://www.tridonic.com/en/int/services/manufacturer-guarantee-conditions)
_ We will provide security updates for the next five years after the date of purchase of this product

Housing properties
_ Casing: polycarbonate, white
_ Type of protection IP20
_ For installation in switching cabinets

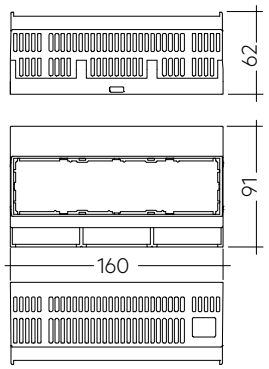
Interfaces
_ 3 DALI lines
_ BACnet interface (depending on the license model)
_ Terminal blocks: screw terminals

Functions
_ Addressing wizard
_ Presence linking
_ Local and downloadable backup
_ Freely programmable daily scheduling with calendar function
_ Self-contained emergency luminaires (depending on the license model)
_ Daylight control (depending on the license model)
_ Freely programmable shows (depending on the license model)
_ RGB and Tunable White (depending on the license model)
_ Scenes and zones

Website
http://www.tridonic.com/28003778

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Ordering data

Type	Article number	Packaging, carton	Weight per pc.
sceneCOM evo DA2	**28003778**	36 pc(s).	0.37 kg

Technical data

Rated supply voltage	110 – 240 V
Mains frequency	50 / 60 Hz
Power consumption	< 20 W
Ethernet interface	1 x RJ45
DALI interface	3 x
Max. current per channel	200 mA
Ethernet port	1 x 10/100 Mbit/s
Status indicators LED	Device status, DALI status
Operating Temperature at upright mounted	0 … +50 °C
Operating Temperature at flat mounted	0 … +40 °C
Storage temperature ts	-20 … +70 °C
Mounting	DIN rail mounting, 35 mm
Housing material	PC, halogen-free polycarbonate, non-flammable
Type of protection	IP20
Dimensions L x W x H	160 x 91 x 62 mm

Approval marks

DALI EAC CE UKCA RoHS

Standards

IEC 60950-1, EN 55022, EN 55024, EN 61547, EN 61000-4-3, EN 61000-6-1, EN 61000-6-3, EN 61347-2-11, EN 62386-101, EN 62386-103

1. Standards

IEC 60950-1
EN 55022
EN 55024
EN 61547
EN 61000-4-3
EN 61000-6-1
EN 61000-6-3
IEC 61347-2-11
EN 62386-101 Ed.2
EN 62386-103 Ed.1

2. Common

2.1 Description

sceneCOM evo DA2 is a DALI-2 lighting management system which is compatible with the DALI MSensors G3 and the XC G3 from the Tridonic DALI-2 portfolio.
sceneCOM evo DA2 is designed to easily control your luminaires.
The sceneCOM evo DA2 web application allows the automation of up to 192 luminaires with one sceneCOM evo DA2 control device.
The sceneCOM evo DA2 web application is therefore suitable for smaller and larger buildings or individual floors.
Besides the functional lighting in a building, self-contained emergency luminaires can also be used in a sceneCOM evo DA2 system.

3. Interfaces / communication

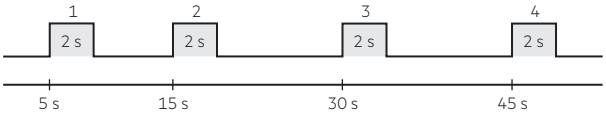
3.1 Device LED

Status-LED	Description
Green, intermittently flickering	Fault-free operation
Off	No mains voltage (L, N)
Red	Serious internal error

3.2 DALI LED

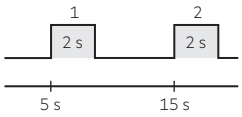
Status-LED	Description
Green, intermittently flickering	Fault-free operation
Green, flashing on/off every 0.5 s	Test mode
Orange, flashing on/off every 0.5 s	Addressing or DALI initialisation
Off	No mains voltage (L, N)
Red	More than 64 DALI-compliant devices connected
Red, intermittently flickering	DALI control line short-circuited or more than 100 DALI loads
Red–green, intermittently flickering	Lamp failure

3.3 Function key

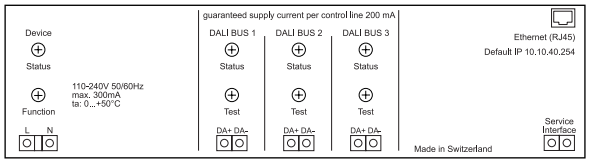


Orange phase	Function
1	Restart the sceneCOM evo DA2.
2	Delete the addresses and short addresses of all control gear and input devices connected to the 3 DALI control lines.
3	Reset the service password and IP address to the factory setting (10.10.40.254).
4	Reset the sceneCOM evo DA2 to the factory settings. The configurations will be reset. The addresses and short addresses of all control gear and input devices connected to the 3 DALI control lines will be deleted. Configurations of date, time and the IP address will be retained.

3.4 Function switch



Orange phase	Function
1	Exit test mode for all outputs.
2	Delete the addresses and short addresses of all control gear and input devices connected to the corresponding DALI control line.



4. Installation

4.1 Safety instructions

The device may only be used for the specified area of application.

Relevant health and safety regulations must be observed.

The voltage supply must be disconnected when the device is being assembled and installed.

Only qualified personnel may assemble, install and commission the device.

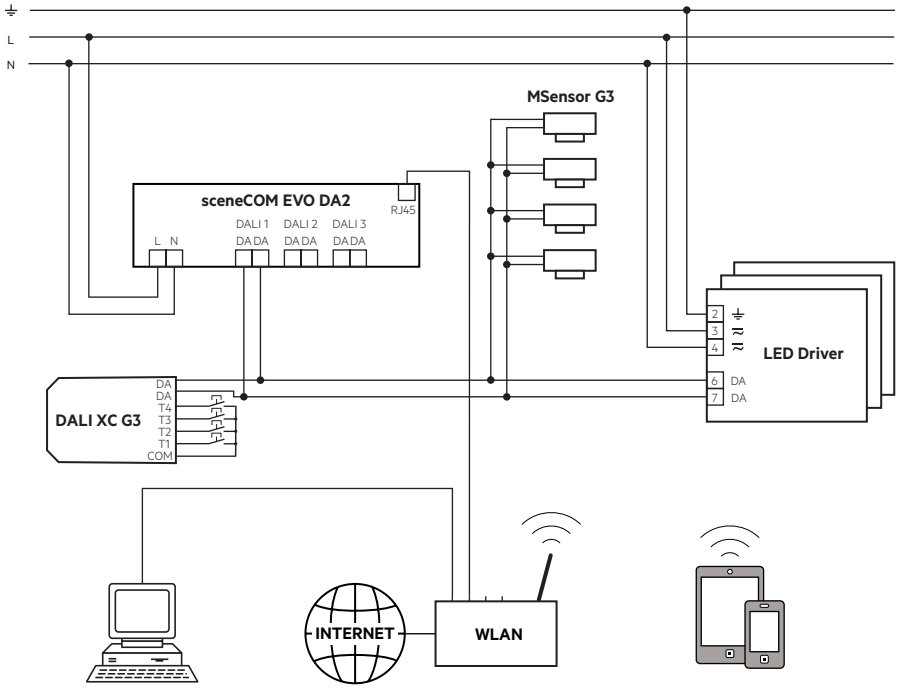
Protection class II can only be guaranteed when the terminal covering has been correctly installed.

If a fault occurs, dangerous voltage levels may be present at the LM-Bus terminals, at the DALI terminals and on the DALI control line.

The device is not suitable for use in locations where children may be present.

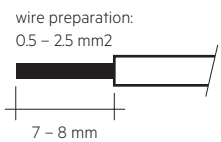
The electrical system from which the device is supplied must have a suitable disconnecting device (e.g. circuit breaker).

4.2 Wiring examples



4.3 Wiring type and cross section sceneCOM evo DA2 Controller

For wiring use stranded wire with ferrules or solid wire from 0.5 to 2.5 mm².



5. em-LINK

The em-LINK software allows you to remotely monitor the status of all connected emergency gears from up to 200 sceneCOM evo DA2 controllers. It is accessible via WEB interface.
More information on the em-LINK software can be found in it‘s manual or at www.tridonic.com/software.

6. Miscellaneous

6.1 Disposal of equipment



Return old devices in accordance with the WEEE directive to suitable recycling facilities.

6.2 Additional information

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

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