

DATA2 CONTROL UNIT IP30 MAX. 4096 FITTINGS

TM-MN.D2.CEN208



No: 2025



No: 5515/2024
Valid until:
01.12.2029



No: 2025



No: 2025



No: 063-UWB-0647
Valid until:
01.12.2029



No: D2-02/24



Producer

TM Technologie

distributed system

anthracite , RAL7016

I

IP30

60 months

300 mm x 85 mm x 487 mm

Application

Colour/Colour - RAL

Appliance classes

Protection degree

Warranty (body, electronics)

Net dimensions **L x W x H** [± 2 mm]

POSSIBILITIES

Maximum number of emergency fittings in the system

256 pcs.

Maximum number of emergency fittings circuit and channel

64 pcs.

Maximum number of substations and signal distributors

16 pcs.

Maximum distance between control panel and luminaire

1200 m

C-Panel (display)

yes

I/O module using possibility

yes

Allowed topology

parallel connection, star connection

The **DATA 2** system is an advanced solution for emergency lighting monitoring, designed for medium and large facilities. It enables central management and continuous status monitoring of up to 4,096 luminaires, system testing, and downloading reports and logs stored in the device memory. Operation is carried out from a single location via an intuitive touch panel, and access to the system can be secured with a password with different permission levels. A built-in battery ensures uninterrupted monitoring even in the event of a mains power failure. The system can integrate with smart building solutions and offers high installation flexibility.

Communication with luminaires can be either wired via a two-wire TM-Bus.

TELECOMMUNICATION CABLES

Telecommunication cables with appropriate fire classification and circuit integrity in case of fire (if applicable)

1 x 2 x 0.8 mm²

Control panel - substation|subdistribution|signal distributor cable

1000 m

Maximum length of communication cable

75 Ω

Maximum resistance

140 nF/km

Maximum conductor capacitance

POWER CABLES

Power cables with appropriate fire classification and circuit integrity in case of fire (if applicable)

3 x 1.5 - 2.5 mm²

AC power cable cross section

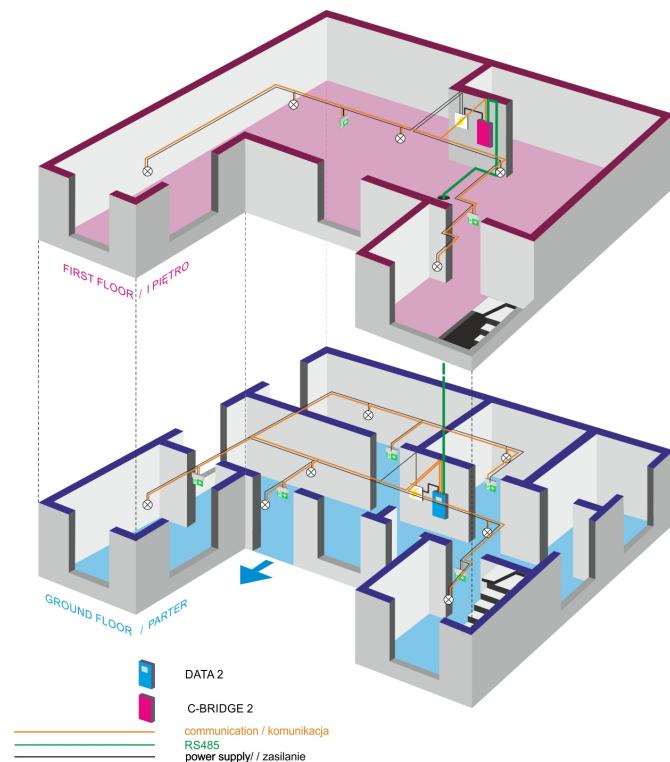
3 x 1.5 - 2.5 mm²

Type and cross section of luminaires power cable

Communication protocol

TCP IP/MODBUS

TOPOLOGY



ZESTAW ELVIS TM-MN.ELV001

Emergency Lighting Visualisation System ELVIS

An additional facilitation in the management of emergency lighting luminaires is the software that visualizes the arrangement of luminaires on the actual plan of the building. It enables remote management and testing of emergency lighting fittings, as well as generating and downloading reports required by law.

*optional element of the system



TM.C-BRIDGE BOX 2 DATA 2 WB PL TM-MN.D2.BRD205

Signal distributor

C-BRIDGE 2 is device which intermediates in communication between control unit and addressable devices of DATA 2 series.

- » for the implementation of a Wired Connection using potential-free communication of TM BUS with emergency lighting fittings
- » version built in the box
- » the set includes battery and power supply



ZESTAW C-BRIDGE D2 DIN TM-MN.D2.ZSD001

Signal distributor



C-BRIDGE 2 is device which intermediates in communication between control unit and addressable devices of DATA 2 series.

- » for the implementation of a Wired Connection using potential-free communication of TM BUS with emergency lighting fittings
- » the set includes battery and power supply
- » mounting: DIN rail

ZESTAW TM-I/O IN 230 DIN TM-MN.D2.ZSD002

Device enabling control of emergency lighting groups, dedicated to DATA 2|DATA 2 RADIO|TM-CB emergency lighting system.



- » IN input and OUT output models are available
- » the TM-CB A system allows the connection of up to 16 I/O modules
- » the address of each module is set on Dip-Switches on their housing.

TM-PROG RFID CB|DATA2|DALI TM-MN.RFID002

TM-PROG RFID is a programming device used to read and addresses of lighting fittings that are compliant with TM-CB | DATA2 | DATA2 RADIO| DATA3 | DATA3 RADIO | DALI | DALI-2 systems.



- » Programming is executed in a wireless mode that provides for operation without connecting lighting fittings to a power supply.
- » The programming device has a built-in battery that offers long operating time, and the current consumption is shown on a display.
- » The programming device has an ergonomic casing that protects the device against mechanical damage and prevents accidental slipping from the hand.