

DATA 2

self-contained addressable system



USABILITY

system | self-contained addressable system

Central monitoring of the emergency lighting luminaire condition

- » Comfortable User Interface - touchscreen,
- » Automatic reporting of the status of all system components,
- » Flexible communication with emergency luminaires - depending on the needs it can be wired (without polarity) or wireless (Radio 868MHz),
- » Easy system update via USB port,
- » Additional protection against interference by unauthorized persons through different levels of rights,
- » Can be connected with different Smart Building Systems (BMS) via I/O module NO/NC or Modbus connection.

Additional possibility to easily create and manage emergency lighting luminaires thanks to

- » **Test groups** – used to automatically trigger function or autonomy tests,
- » **Night groups** – used to configure the control of the so-called “maintained” operation and allow to set fittings in the dimming mode,
- » **Fire and emergency groups** – activation of fitting in the appropriate operating state in response to the fire signal,
- » **Fire scenarios** – the window allows to configure the fitting response to each of the eight fire scenarios. The window allows to configure the fitting to operate as a prohibition sign (used for dynamic lighting).

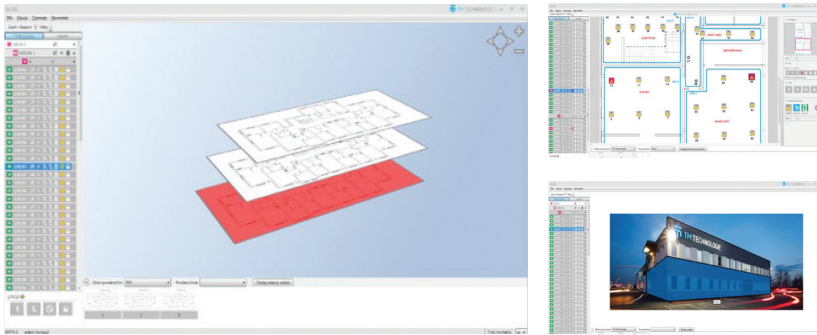


ELVIS

emergency lighting visualization intelligent system

Emergency Lighting Visualization System

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.

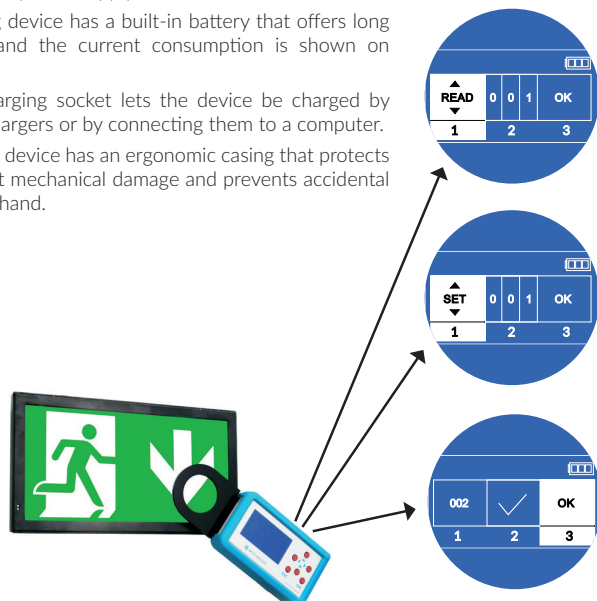


TM-PROG RFID

addressing and reading of luminaire addresses

TM-PROG RFID is a programming device used to read and addresses of lighting fittings that are compliant with TM-CB A or DATA 2 /DATA 2 EASY system.

- » 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 provided charging socket lets the device be charged by using universal chargers or by connecting them to a computer.
- » The programming device has an ergonomic casing that protects the device against mechanical damage and prevents accidental slipping from the hand.



VARIANTS

DATA 2 series

wireless communication

DATA 2 RADIO

maximum number of emergency fittings / C-BRIDGE 2	128
maximum number of communication channels	-
maximum number of C-Bridge 2 signal distributor	8
maximum number of emergency fittings in the system	1024

wire communication

DATA 2

maximum number of emergency fittings / channel	64
maximum number of communication channels	4
maximum number of C-Bridge 2 signal distributor	16
maximum number of emergency fittings in the system	4096



TOPOLOGY

DATA 2 series

TM.PROG RFID

Thanks to RFID technology, it enables easy, fast, wireless setting or changing the address of the luminaire even without opening it, which saves time and money.



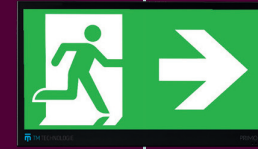
DATA 2 RADIO

up to 1024 fittings



DATA 2

up to 4096 fittings



Communication with fittings addressable - TM-BUS 2 wire (without polarity)

For example:
YTKSYekw
1x(2x0.8 mm²)



← Communication with ELVIS, WWW, MODBUS TCP - LAN →

← Communication with C-Bridge 2 - RS 485 port →

ELVIS

Emergency Lighting Visualisation System



C-BRIDGE BOX 2 RADIO

Frequency 868 MHz

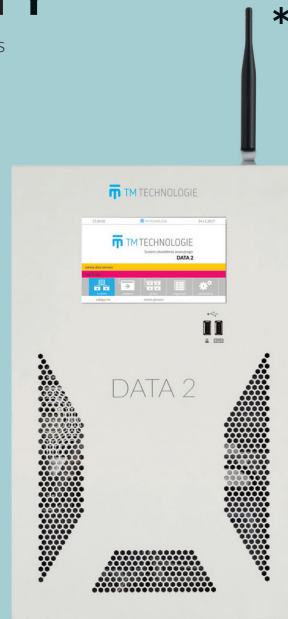
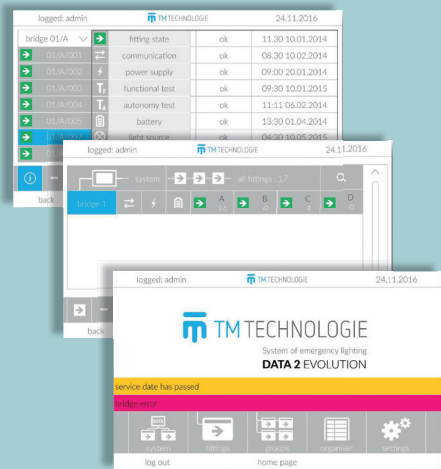
C-BRIDGE BOX 2

TM-BUS 2 wire



USABILITY

system possibilities











* only RADIO version

The control panel is based on an industrial computer with a touch screen.

- » The embedded TM TECHNOLOGIE software allows the user to manage the system in a broad sense, from creating user accounts with various access rights to remote management from anywhere via the Internet.
- » The available options of the system lead to the required information about the current state of each emergency luminaire in a simple and clear way.
- » The intuitive user interface is available in various language versions, which makes the system friendly and easy to use.
- » By creating various types of groups of devices and giving them features, the user can carry out individual tasks using the schedule or external signals.
- » The control panel automatically controls and tests emergency lighting fittings, at the same time creates, saves and, if necessary, distributes periodic reports on the system status, thanks to which it allows to meet the normative requirements referred to in the applicable European Harmonized Standards
- » Moreover, for the user's safety, the control panel records all activities performed by system operators.

The toolbar allows to:

- 


 » add, remove or rename the group
- 
 » add multiple fittings to the selected test group
- 

 » trigger the function/autonomy test of all fittings assigned to the group,
- 

 » lock or unlock the fitting



C-BRIDGE 2

signal distributor

C-BRIDGE 2 a system component that is usually installed together with the C-Panel inside the same housing, constituting a complete unit for central monitoring of emergency lighting.

At the same time, a variant installed in a separate housing or DIN rail is also available for extended networks. Due to the possibility of wireless or wired communication with emergency luminaires, the following are available:

- » C-BRIDGE 2 - for the implementation of a Wired Connection using potential-free communication of TM BUS with emergency lighting fittings.
- » C-BRIDGE 2 RADIO for the implementation of a Wireless Connection with emergency luminaires using the Mesh technology 868MHz



I/O MODULE

device enabling control of emergency lighting groups

IN input and OUT output models are available.

The DATA 2 and TM-CB system allows the connection of up to 16 I/O modules.

The address of each module is set on DiP-switches on their housing. IN SW, IN 24, IN 230 version is used to control the night lighting, fire-emergency lighting groups, fire scenarios and has 8 inputs. The output module (OUT) is used to inform about the system status. It has 8 potential-free outputs.

