

All the control in the palm of your hand

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100% by Normagrup hardware · software · support

NORMALUX Emergency Lighting

What is Normalink?

Normalink is an advanced system to control and monitor emergency lighting (emergency luminaires and exit signs).

Normalink provides control via the following applications:

Normalink App Available for computers compatible with Windows.



Control via **Normalink BMS** drawings for computers compatible with Windows.

Via the **BMS** (Building Management System) **software** compatible with the Modbus/IP protocol.



NORMALINK COMPATIBILITY

Compatible with DALI emergency lighting and exit signs.

Compatible with Normalux⁽³⁾ INTELLIGENT WIRELESS emergency lighting and exit signs.

Compatible with Modbus/IP⁽⁴⁾.

⁽³⁾ INTELLIGENT WIRELESS is the technology developed by Normalux in accordance with the IEC 62386-104 Standard that enables wireless communication between emergency luminaires or exit signs that is compatible with this technology.

⁽⁴⁾ Modbus/IP is a standard protocol that enables Normalink to be integrated in a supervision system (SCADA or BMS).



Main functions of Normalink

With Normalink, you can control and monitor the emergency lighting system and exit signs easily, with the possibility of integration of external devices

Emergency lighting and exit signs



Group configuration.



Integrate external elements

Integrate push buttons, switches, presence sensors, light regulators, entrance/exit signs or even control traditional lighting on/off has never been so easy with the different Normalink devices.

Normalink integration.



Normalink BMS control software.





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Control of emergency lighting. Test configuration.

Monitor and control

Monitor the status of the emergency lighting fitting and exit signs in real time.

Detection and notification of any anomaly. It also reports faults in the general lighting.

Automatic log.

Normalink is compatible with C24i central battery systems.

Compatible with autonomous SATI Addressable emergency lighting (IDALING gateway required).

Normalink BMS for exhaustive monitoring.

The Normalink ecosystem

A system that you can trust





Normalink and emergency lighting / exit signs

Normalink is a platform designed to control and monitor safety lighting.

Control and monitoring of each of the self contained blocks of emergency lighting and exit signs.

Monitoring and control of the emergency luminaires and/or beacons connected to C24i central battery systems.

Programming of functional and autonomy tests as per the standard EN 50172.

Anomalies warning.

Interaction with other safety systems.

Integration in SCADA control systems using MODBUS/IP.

Programming of scenes and time settings for emergency lighting that is functioning permanently.

Control of the light source in maintained mode.

Simple DALI addressing via Normalink code (check availability).

Normalink BMS

Normalink BMS allows for monitoring from any computer connected to the same local network as the other Normalink elements. (Gateways with DALI luminaires, C24i central battery systems with emergency luminaires at 24 V DC, input- output modules,...). Remote monitoring is also possible thanks to **Normalink Cloud** Monitor and control general DALI lighting, self contained DALI emergency lighting and C24i central battery systems.

Connection to the local network or remotely via Normalink Cloud.

Anomalies warning (by type, quantity, time, etc.).

Notifications sent by e-mail.

Customisation of reports.

Test configuration (functional and annual).

Performance of tests (functional and annual).

Creation and control of groups, scenes and timings.

Log of events and tests.

Global vision of the building with a fittings and anomalies counter.

Development module for project creation.

Automatic recognition of all the devices compatible with Normalink in the local network (gateways, i/o modules, central battery systems).

Multi-user system.

Normalink BMS

Normalink BMS takes pride on its two different modules: One for supervision / control and another one to be developed from scratch and customizable.



- Browsing by drawings.
- Real time status.
- Identification of incidents by type (light source, battery, autonomy, communication).
- · Filtering by type of incident.
- Control of groups, macro-groups and scenes.
- Individual control of each luminaire. Control of the maintained status (on, off and dim), remote control, performance of tests, etc.
- Reports management tool.
- · Annual events calendar.
- Search tool for luminaires in the drawing.
- · Notifications management tool.

Development module

icons on the drawing. Tools to modify the Access to the configuration assistant and size of the icons. commissioning tools. . 55 2 1872 1 80 ... 80 80 ED 14 . . 80 80 4

List of C24i central systems and Normalink devices.

Drag & drop system to place

- Step-by-step configuration assistant. Simple and intuitive.
- Tools for centralised commissioning.
- · Customised reports editor.
- Drag & drop system for project development.
- Modification of the size of icons according to the plan of the building.





IDNGR16K Network

CONTROL CAPACITY BY NETWORK

Up to 250 sub-networks. Up to 64 emergency luminaires per sub-network. Total: 16,000 emergency luminaires.



(Up to 64 Intelligent Wireless autonomous emergency blocks)

The Intelligent Wireless system by

Normalink is based on a wireless link with ethernet connection (Ref. IDNGR16K) capable of controlling up to 16,000 Normalux emergency luminaires compatible with the Intelligent Wireless version. This wireless link is connected directly to the local network and requires a master gateway in order to function.

TECHNICAL FEATURES

- Capacity: Up to 16,000 Intelligent Wireless emergency luminaires by Normalux per radio link.
- Capable of creating 250 sub-networks per wireless link.
- Up to 64 Intelligent Wireless emergency luminaires by Normalux per sub-network.
- MultiMesh 868 Mhz technology compatible with the DALI IEC 62386-104 Standard.
- IDNG-MG master gateway is required in order to function.
- Possibility of linking up to 250 radio links per master gateway.
- Maximum open field range of 250 metres in communication:
 - Wireless link luminaire.
 - Luminaire Iuminaire.
- Maximum indoor range: 50 metres (2-3 walls, 2 floors).
- Each emergency luminaire also functions as a repeater of the wireless signal via a configurable system of jumps.

Multi-jump repetition system to increase the range between luminaires.



Normalink Devices

IDNG-MG





TCP/IP master gateway for the control of Normalink installations. Configuration through the incorporated webserver. Once connected to the same local network as the rest of the Normalink devices, the Master gateway will take control of the installation allowing:

- · Ethernet connection.
- Configure notifications.
- · The installation to be controlled remotely thanks to the Normalink Cloud service
- · Comprehensive control of the installation thanks to the Normalink BMS software with drawings (included in the Gateway).
- · Control the installation from external software with Modbus IP support.
- · DIN Rail mounting (12 modules).
- Power Supply: 230V AC 50-60Hz from an UPS (Uninterrupted Power Supply).
- Dimensions: 210 x 90 x 60 mm.



IDNGR16K







Normalink IDNGR16K wireless link. TCP/IP wireless link that enables Normalink to control luminaires compatible with the Normagrup INTELLIGENT WIRELESS system. Capacity for 250 sub-networks.

Each sub-network may consist of up to 64 Normagrup INTELLIGENT WIRELESS luminaires with pre-programmed default addresses (from A0 to A63).

- · It has a web server for the configuration of the network parameters.
- · An IDNG-MG master gateway is required for its control (maximum capacity 250 IDNGR16K per master gateway).
- · Wireless "multimesh" technology based on 868 Mhz.
- Maximum open field distance: 250 metres.
- · Maximum indoor range: 50 metres (2-3 walls, 2 floors).
- Manufactured in accordance with DALI IEC 62386 Standard.
- 5 V DC power supply via an external power source (included).
- Dimensions: 80 x 115.1 x 27.4 mm.

Multi-jump repetition system to increase the range hetween luminaires



IDNG-64





IDNG-EAD





IDNG-P4P





IDNG-10ES



DALI-TCP/IP gateway for control via Normalink of up to 64 general lighting and/or emergency lighting

lighting and/or emergency lighting luminaires as per the DALI (Digital Addressable Lighting Interface) Standard.

- · Dimensions: 105 x 90 x 60 mm.
- Ethernet connection.
- · DIN Rail mounting (6 modules).
- Incorporates an internal power supply to power the DALI line and a CR2032 battery to avoid losing information.
- Power Supply: 230V AC 50-60Hz from an UPS (Uninterrupted Power Supply).
- Additionally, this device enables the connection, via the DALI line, of up to 16 devices with theNormalink code (Ref. IDNG-EAD and IDNG-P4P).



Adapter to integrate non-DALI control devices, such as push buttons, presence sensors and light regulators, into the DALI line.

- It has a DALI connector, 0-10 V analogue input (non-isolated) and a digital input (230 V AC).
- (non-isolated) and a digital input (230 V AC).
 Identification via Normalink code.
 Dimensional (215 v 20 pmp)
 - Dimensions: 215 x 33.5 x 30 mm.

Does not use a DALI address.

Interface for the connection of four push buttons or a switch (potential-free) to a DALI line and its integration in the Normalink system.

· Connection to the DALI line.

the Normalink app.Powered via the DALI bus.

- Four inputs or channels (IN0, IN1, IN2 and IN3) and a shared terminal.
- Powered by section wires of 0.5 mm² and 200 mm long.
- Terminals IN1, IN2, IN3 and IN4 cannot be extended using an extra wire.
- Automatic detection and configuration from the Normalink app.
- Powered from the DALI bus.
- Does not use a DALI address.
- · Identification via Normalink code.
- · Dimensions 50 x 50 mm.

Input / output module compatible with the Normalink system. Allows the direct integration of external input / output elements to Normalink (not through DALI).

- Dimensions: 105 x 90 x 60 mm.
- 10 terminals that can be programmed as inputs or outputs.
- One relay output.
- Ethernet connection.
- · Web server for network configuration.
- Potential-free inputs for the connection of push buttons, switches or signals.
- 24v outputs for connecting relays, solid state contactors or external devices (PLCs, switchboards or others). Maximum current output 10mA.
- · Identification via Normalink code.
- · DIN Rail mounting (6 modules).
- Power Supply: 230V AC 50-60Hz form an UPS (Uninterrupted Power Supply).

NORMALUX

Emergency Lighting normalux.com

Further information >

normalink.es



NORMALINK VIDEO TUTORIALS

Normagrup Channel

YouTube

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