INSTALLATION INSTRUCTIONS 9M347565 – DALI BT LED INST – IND01

EMERGI-LITE

Installation instructions for DALI and Wireless BT LED fittings

WARNING:
BEFORE ATTEMPTING TO INSTALL OR REPAIR THIS FITTING, ISOLATE THE SUPPLY CIRCUIT FROM THE AC MAINS. THIS FITTING MUST BE ELECTRICALLY EARTHED.

1. Introduction

- It is important that these instructions are read thoroughly before any installation work commences. They must also be retained on file to provide information on use, maintenance and disposal at a later date by the end user.
- Confirm the installation requirements by checking the data provided on the luminaire, especially the ac supply and mode of operation required. Any installation must only be carried out by competent personnel.
- These instructions are issued to provide relevant information concerning the handling, installation, use, maintenance, and disposal of emergency luminaires.

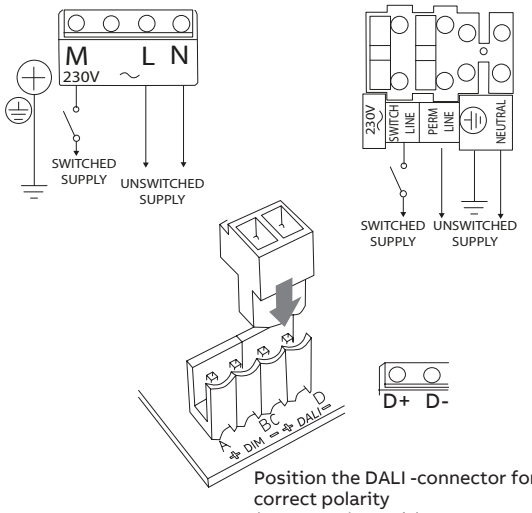
2. General

- The emergency lighting luminaire supplied is designed and manufactured to conform with relevant British Standard specifications BS/EN/IEC...
- It is important that the user does not modify the luminaire or use it for a purpose, or in an environment for which it was not designed. Any modifications may render the luminaires unsafe and will invalidate the warranty and CE, UKCA compliance of the product
- The luminaire is designed for direct connection to a mains supply as indicated below, and should be installed in accordance with Regulations for Electrical Installations, published by the Institute of Electrical Engineers and the requirements of BS 5266 part 1. and IEC 60364 Electrical Installations for Buildings. Unless specifically permitted luminaires shall NOT be connected to, or be controlled by an energy management system.

Specifications	Amber LED
Enclosure rating	IP20
Applications	Indoor
Mounting	direct mounting on normally flammable surfaces
Operating temperature	0-25°C

3. Installation

- Remove the diffuser and geartray.
- Mount the base into position. Connect the mains supply(ies) to the terminal
- block, connect the earth wire to the stud where provided, see connections diagram. Refer to remote switching instructions forfurther details.
- Connect the battery lead to the battery connector.
- Refit the cover, geartray and diffuser to the fitting.
- Refer to General, Operating and Test instructions for further details.



Position the DALI -connector for correct polarity
(DALI version only)

4. Remote switching

- This facility enables the LED to be switched off when the maintained light is not required.
- This facility does not affect the operation of the unit in emergency mode should a mains failure occur. When the switched live is energised, the unit will operate in the maintained mode with the LED energised via the mains supply. When the live is de-energised, the luminaire will operate in the non-maintained mode. If this facility is not required, simply linking the switched and unswitched terminals together will cause the luminaire to operate in maintained mode at all times.

5. Commissioning / Testing

5.1 The green and amber LEDs should be flashing, which indicates the product is in Commissioning mode. Once a successful commissioning has taken place ie. the battery has been charged for 24 hours and the product has completed a full 3 hr duration test. Note: If the mains and battery supplies are disconnected the module will still remain commissioned. If a commissioning test fails it will be repeated 24 hours later following a re-charge. Some units may be supplied fully commissioned, if this is the case the green led will be lit constantly and the amber led off.

5.2 The green and amber leds indicate the status of the fitting as shown in the table below.

Green LED	Amber LED	Emergency Lamp	Meaning
Flashing	Flashing	On or Off	Waiting to commission, charging in high charge rate
Flashing	Off	On or Off	Waiting to commission, fully charged or in functional test
On	Off	On or Off	Unit healthy after commissioning
Flashing	On	On or Off	Lamp fault or battery capacity fault during commissioning
On	On	On or Off	Lamp fault or battery capacity fault after commissioning
On	Flashing	On or Off	Commissioned, in high charge rate
Off	Off	On	Emergency Mode: mains supply absent
Off	Off	Off	Battery discharged following mains fail
Off	On	On or Off	Battery disconnected or not charging

5.3 **Continuous monitoring**

The Selftest module continuously monitors the integrity of the incoming mains supply to check reliability of supply. The unit also monitors the charge status of the battery and shows a fault when either of these functions are not within the correct parameters.

5.4 **Monthly test**

This functional test is automatically initiated by the Selftest or user programmed by the monitoring system which operates and monitors the LED for 60 seconds

5.5 **A full duration (3 hour) test**

This duration test is automatically initiated by the Selftest or user programmed by the monitoring system which
operates and monitors the LED for 3 hours

Product information	
2w- p/n LED2STRIP,	5,6Vtyp@145mA and 5,99Vtyp@260mA

Technical informations	
Input Voltage	230V AC, 50-60 Hz
Battery	NiMH 4,8V - 2,0Ah
Nominal Lumens output	250 Lumens

Cautionary Note : Lighting levels are only provided to allow checking of correct operation. Determination of correct lighting levels on an escape route can only be made with full photometric data. Supply current , power factor and photometric data is available within literature or on the website

NOTE
SERVICING SHOULD ONLY BE CARRIED OUT ONCE THE FITTING HAS BEEN MADE ELECTRICALLY SAFE.

6. Operation & Maintenance

Recessed luminaires should not be covered by heat insulating material or any other material which prevents heat dissipation. The light source contained in this luminaire shall only be replaced by the manufacturer or his agent or a similar qualified person.

- Repairs should be carried out only by suitably qualified persons. Check that replacement components are satisfactory for the luminaire as authorised by the luminaire manufacturer.
- Disposal of replaced components to be in accordance with the component manufacturer's instructions.
- Servicing e.g. battery replacement should only be carried out after the luminaire has been made electrically safe.
- Cleaning should be carried out at regular intervals for hygienic reasons and to ensure that dirt does not accumulate to an extent that will impair the electrical and/or thermal safety of the luminaire.
- Regular cleaning will also ensure that optical performance is maintained.
- Batteries must be disposed of in accordance with the manufacturer's recommendations & local authority's regulations. Under NO circumstances must they be opened, or disposed of in fire.
- Certain battery types are re-cycleable and the manufacturer should be notified prior to disposal.
- Storage - Fittings should be stored in dry conditions in a nominal temperature of 0' to +25'C.
- It is desirable that staff working in areas where emergency lighting is installed are made aware of the purpose of the luminaires and of the significance of the indicator lamp(s).
- Controllable versions have reinforced insulation between LV supply and control conductors.

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