

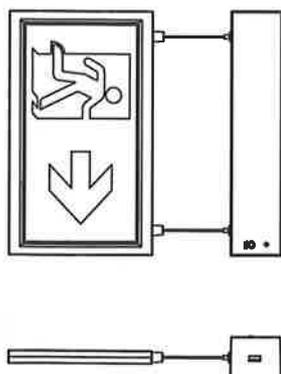
| LED INDICATION                                 | STATUS                       | COMMENTARY   |
|--|------------------------------|--|
| Permanent Green                                | Everything Working Correctly |  |
| Fast Flashing Green (0.1 Sec ON - 0.1 sec OFF) | Function Test In Progress    |  |
| Slow Flashing Green (1 sec ON-1 sec OFF)       | Duration Test In Progress    |  |
| Permanent Yellow                               | Load Failure                 | Open Circuit/Short Circuit/LED Failure   |
| Slow Flashing Yellow (1 sec ON-1 sec OFF)      | Battery Failure              | Battery/Failed Duration or Function Test<br>Battery Is Defective/Wrong Battery Voltage |
| Fast Flashing Yellow (0.1 sec ON-0.1 sec OFF)  | Charging Failure             | Incorrect Charging Current   |
| Green and Yellow OFF                           | DC Mode                      | Battery Operation(Emergency Mode)  |

### TECHNICAL INFORMATION

| Model Number | Input Voltage        | Charge Duration | Discharge Duration | Battery             | Power     | LEDS               |
|--------------|----------------------|-----------------|--------------------|---------------------|-----------|--------------------|
| XT230H/DALI  | 220-240V~<br>50/60HZ | 24 h            | 3 h                | Ni-Mn<br>3.6V/2.0Ah | 3.5 W Max | SMD 2835<br>14 pcs |

### Explanations

|  | Maintained Luminaire | Non-maintained Luminaire | Switched Maintained Luminaire |                        |
|--|----------------------|--------------------------|-------------------------------|------------------------|
|  |                      |                          |                               | OK                     |
|  |                      |                          |                               | Emergency mode         |
|  |                      |                          |                               | Failure-Battery Charge |



## XT230H/DALI

### Instruction Leaflet

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### Technical Specifications

Power Supply : 220-240VAC, 50/60 Hz Emergency Duration : 3 Hours  
Power Consumption : Max. 3.5W Protection Class : II  
Ambient Operating Temp : -5°C...+45°C IP Rating : IP20  
Charge Time : 24 Hours Function : DALI  
Operation : Maintained Installation : Wall mount or Ceiling mount  
and non-maintained Viewing distance : 30m

## PRECAUTIONS

Carefully read this instruction leaflet before installing or using the luminaire.

This leaflet provides important information about the correct installation, use, maintenance and disposal of this product. Please observe the following guidelines:

1. Installation must be in accordance with European installation requirements HD 60364 and additional local regulations.
2. This product may not be modified in any way what so ever or used for a purpose or in an environment other than for which it is designed. Failing to observe these guidelines will invalidate the warranty and the CE-compliance of this product.
3. The luminaire is suitable for indoor use only
4. Before installing the luminaire, the supply must be isolated.
5. The luminaire should be connected to the voltage equivalent to that indicated on the type label

## SERVICE & OPERATION

**Normal Operation:** The green indicator light on face plate stays on. The LED will go out if the mains supply fails, the internal charger malfunctions, or the unit is in test mode.

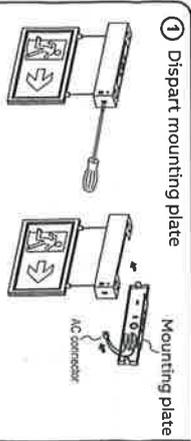
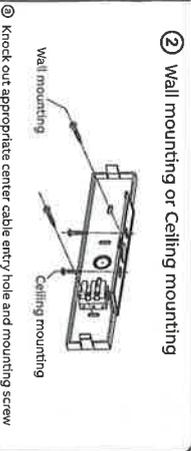
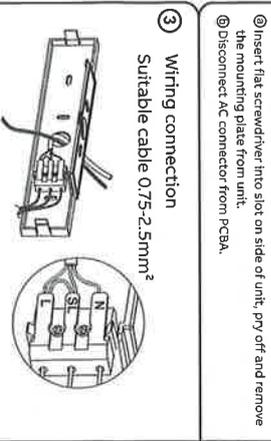
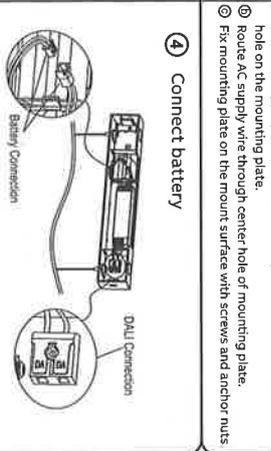
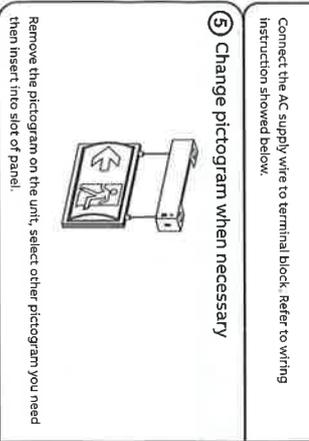
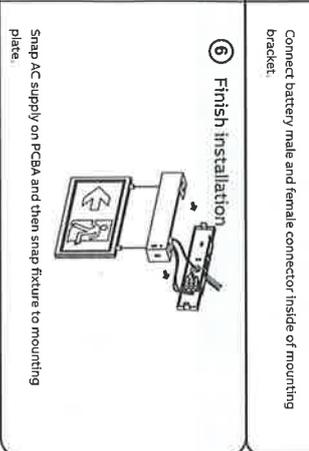
**Battery:** Sealed Ni-Cad or Ni-Mh rechargeable battery pack. Battery should be replaced when the required duration is no longer achieved. To avoid any damage to the fixture and ensure its performance, the battery should be replaced with same brand and type.

**Test Switch:** Press the test switch button, LED indicator will go out and the sign will be illuminate from its battery pack.

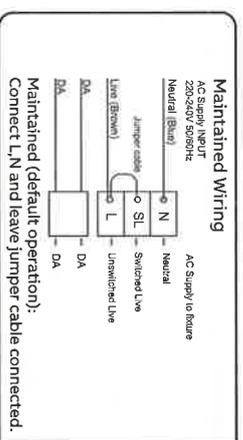
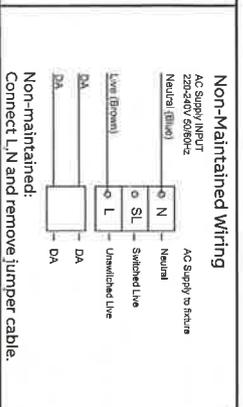
## WARNING:

The luminaire must, under no circumstances, be covered with insulating material or similar material only

## MOUNTING INSTRUCTIONS

|   |   |
|---|---|
| <p><b>1</b> Dispart mounting plate</p>  <p>Mounting plate</p>  | <p><b>2</b> Wall mounting or Ceiling mounting</p>  <p>Wall mounting<br/>Ceiling mounting</p>  |
| <p><b>3</b> Wiring connection</p> <p>Suitable cable 0.75-2.5mm<sup>2</sup></p>  <p>Connect the AC supply wire to terminal block. Refer to wiring instruction showed below.</p> | <p><b>4</b> Connect battery</p>  <p>Battery Connection<br/>DALI Connection</p> <p>Connect battery male and female connector inside of mounting bracket.</p> |
| <p><b>5</b> Change pictogram when necessary</p>  <p>Remove the pictogram on the unit, select other pictogram you need then insert into slot of panel.</p>                       | <p><b>6</b> Finish installation</p>  <p>Snap AC supply on PCB and then snap fixture to mounting plate.</p>   |

## WIRING INSTRUCTIONS

|   |   |
|---|---|
| <p><b>Maintained Wiring</b></p>  <p>AC Supply to fixture<br/>220-240V 50/60Hz<br/>Neutral (Blue)<br/>Switched Live<br/>Unswitched Live<br/>Jumper cable<br/>L N<br/>L<br/>N<br/>DA DA<br/>DA DA</p> <p>Maintained (default operation):<br/>Connect L,N and leave Jumper cable connected.</p> | <p><b>Non-Maintained Wiring</b></p>  <p>AC Supply to fixture<br/>220-240V 50/60Hz<br/>Neutral (Blue)<br/>Switched Live<br/>Unswitched Live<br/>L N<br/>L<br/>N<br/>DA DA<br/>DA DA</p> <p>Non-maintained:<br/>Connect L,N and remove Jumper cable.</p> |
|---|---|

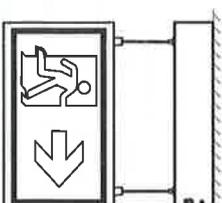
## PICTOGRAM STYLES



Wall mounting



Ceiling mounting



## Commissioning Test Behaviour

Initial connection of the mains supply will initiate a commissioning sequence where the battery will remain on charge and test for an uninterrupted 60 hours. Any interruption of the mains supply during this period will reset the counter to zero.

The sequence is : to charge for 24hours. Having fully charged the battery, then execute a duration test. Upon successful completion of the duration test, the gear will perform another full charge period of 24hours. After this period, it is suggested to perform a function test and then check for successful completion of the function and duration tests.

Therefore, after initial mains power on, it is best to leave the gear alone for 60 hours to allow the gear to complete its pre-programmed commissioning testing. During the 60 hour period, any attempt to have the gear perform a function or duration test will simply result in the requested test being 'pended'. Following the commissioning test it will then perform whatever tests are pended. Meaning that if you had pressed "start duration test", at the end of commissioning, the gear will perform another duration test and another subsequent charge period before normal operations could be resumed.

## Gear Behaviour After Battery Change (meaning Disconnect / Reconnect battery)

After changing the battery, the gear will perform a complete commissioning sequence, as described above, irrespective of the condition of the battery.

## Function test

A 5 second functional test is carried out at nominally 1 week interval.

## Duration test

The gear switches to battery supply with mains supply off, and runs until the batteries can no longer supply the lamp

The length of time to run out is recorded in memory.

A pass result indicates the battery powered the fitting and lamp for the rated period of this fitting.

A full rated duration test is carried out nominally at 52 weeks intervals.

In DALI mode, the start of the regular duration and function tests, is initiated by the attached controller. If the DALI controller is not available, the gear will revert to its automated settings.