Emergency Range

Installation instructions for JC50313 Emergency Self Test Exit Bulkhead

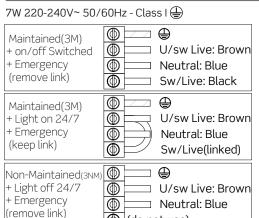
JCC a LEVITON company

Warnings & Cautions

- To avoid electric shock, serious injury or property damage, isolate power before installing, removing or servicing the product.
- It is recommended that luminaires are installed by a qualified electrician to ensure the installation complies with the local current wiring regulations.
- Any broken or damaged parts should be replaced as soon as possible.
 JCC will not accept responsibility for claims arising from sub-standard installations; which will void the warranty.
- This product is designed for connection to a 220-240V~ 50/60Hz.
- It may be necessary to upgrade your MCBs to allow for increased inrush current.
- This product is suitable for indoor or outdoor use.
- It is recommended that the ambient room temperature should not exceed 30°C.
- Read instructions and check that you have all of the tools and accessories required to complete the installation correctly. Isolate power supply before starting installation.
- Do not carry out insulation tests with the product connected to the circuit.

INSTALLATION

ENGLISH



(do not use)

Installation procedure

- 1. Remove the two screws holding the diffuser to gain access to the interior.
- 2. Press the two tabs to release the LED tray to access the mains input terminal. This is hinged so the LED tray remains attached to the body.
- Cable entry is available through rear, top and bottom or both ends (ensure appropriate grommets or compression couplings are used to maintain the IP65 rating where required).
- 4. Connect the mains input supply as indicated to the left for the required operation.
- 5. Connect the emergency battery leads to the circuit board where indicated.
- 6. Relocate the LED tray, ensuring it is secured using the tabs.
- 7. Refit the diffuser ensuring there is a good seal to maintain the IP65 rating.
- B. Switch on mains supply and test for operation (allow 24hrs for batteries to charge).
- D. Fit the legend on the front of the diffuser to suit the application from the four choices which
- are included. 10. Familiarise yourself with the enclosed emergency fittings test record sheet and ensure it is
- Familiarise yourself with the enclosed emergency fittings test record sheet and ensure it is completed as required and left with the end user.

This product performs a self-commissioning test at first power on. After charging for 24 hours a full duration test (3 hours) is performed. Initial function and duration tests are randomly generated. They are then performed in accordance with standard requirements (every 30 days for function tests and every 52 weeks for duration tests).

A single bi-colour indicator and test button is fitted to this product. This LED is clearly visible for manual inspection. It indicates the module status (see table below). The LED shows permanent green or flashing green when conditions are normal and flashing red if a fault condition is present.

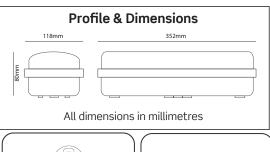
Function test

A function test is a 2 minute test that simulates a mains failure and checks the operation of the emergency light source from the battery supply. The local indicator LED slow flashes green whilst the 2 minute function test is in progress. If there is a failure during a function test the local indicator LED changes to a flashing red.

Duration test

A duration test simulates a mains failure. It also checks the operation of the emergency light source from the battery supply for the rated duration of the module. The LED indicator fast flashes green whilst the duration test is in progress. If there is a failure during a duration test the indicator LED either changes to a permanent or flashing red. The battery is required to be fully charged before a duration test can be started.

| Operation/Testing | LED Indicator | Status | | | |
|--------------------------------------|----------------------------|--------------------------------|--|--|--|
| Normal operation | green solid | Mains on/No fault | | | |
| Manually press for approx 1 second | Off | Emergency mode for 1 second | | | |
| Manually press for approx 5 seconds | Slow green flash | Function test - 30 seconds | | | |
| Manually press for approx 7 seconds | Fast green flash | 3 hour duration test | | | |
| Manually press for approx 10 seconds | off (reset to green solid) | end duration test | | | |
| Normal operation | Slow green flash | Auto function test - 2 minutes | | | |
| Normal operation | Fast green flash | Auto 3 hour duration test | | | |
| Fault indication | Single red flash | Battery fault | | | |
| Fault indication | Double red flash | LED fault | | | |
| Fault indication | Triple red flash | Duration test fault | | | |







Important warranty information

CEK RoHS Empliant B IP65 CC.co.uk

This product is supported by a 2-year standard warranty which will extend to 3 years if registered within the first year of purchase. (2 year on batteries). Please register at jcc.co.uk/warranty - Terms and conditions apply.

The installer will be asked to provide the following information, which is detailed on a label attached to the luminaire's chassis: Product Code/Date Code.

| Linei gency Maintaineu | Kennote Fack Test Kecolu |
|-------------------------|--------------------------|
| Installation Engineers: | Tel: |
| Luminaire Type: | Batch Number: |
| Location: | Installation Date: |

General Information

These instructions contain important information regarding safety. They should be read carefully and retained at the installation for future reference. The company will not accept any responsibility for any injury, damage or loss that may arise as a result of incorrect installation, operation or maintenance due to the non-adherance to these instructions. Our products are designed to comply with the requirements of UK law and the relevant industry national and international standards and should not be modified in any way. All emergency lighting systems should comply with the recommendations of BS5266-1: Code of Practice for the Emergency Lighting of Premises and be installed by competent engineers in accordance with the relevant wiring regulations. Before installing any type of Emergency Lighting always seek the advice and approval of the local Fire Prevention Officer (or equivalent authority).

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Maintenance

Failed or faulty light sources connected to this equipment should be replaced immediately. These units are designed especially for a long and trouble free life and, under normal conditions, will require no routine maintenance or service beyond the inspection and test regime of BS5266-1. Both mains supply and battery protection fusing is incorporated internally. Should access to these or any other part of the circuitry be required this must be undertaken only by suitably qualified personel. Special care must be taken when removing the cover to circuitry and battery. Only replacement components authorised by the company must be used. Disposal of replaced components should be in accordance with the component manufacturers instructions.

Routine Inspection and Test

All tests must be undertaken at times of least risk and in accordance with EN 50172:2004 as indicated below:

Daily: Indicators of central power supply shall be visually inspected for correct operation.

Monthly: (in addition to the daily check)

If automatic testing devices are used, the results of the short duration tests shall be recorded.

Test shall be carried out as follows:

a) Switch on in the Emergency mode each luminaire and each internally illuminated exit sign from its battery by simulation of a failure of supply to the normal lighting for a period sufficient to ensure that each lamp is illuminated.

NOTE: The period of simulation failure should be sufficient for the purpose of this clause whilst minimising damage to the system components e.g lamps During this period, all luminaires and signs shall be checked to ensure that they are present, clean and functioning correctly. At the end of this test period, the supply to the normal lighting should be restored and any indicator lamp or device should be checked to ensure that is showing that the normal supply has been restored.

Annually:

If automatic testing devices are used, the results of the short duration tests shall be recorded. For all other systems the monthly inspection shall be carried out and the following additional tests made:

- a) each luminaire and internally illuminated sign shall be tested Monthly as above but for its full duration in accordance with the manufacturer's information;
- b) the supply of the normal light shall be restored and any indicator lamp or device checked to ensure that it shows the normal supply has been restored. The charging arrangements should be checked for proper functioning:
- c) the date of the test and its results shall be recorded in the system logbook.
- A copy of this report must accompany any fitting returned to the manufacturer for any reason.

| Month | onth Test Type | | First Year | | Second Year | | Third Year | | Fourth Year | | Fifth Year | |
|-----------|----------------|------|------------|------|-------------|------|------------|------|-------------|------|------------|--|
| | | Sign | Date | Sign | Date | Sign | Date | Sign | Date | Sign | Date | |
| January | Functional | | | | | | | | | | | |
| February | Functional | | | | | | | | | | | |
| March | Functional | | | | | | | | | | | |
| April | Functional | | | | | | | | | | | |
| May | Functional | | | | | | | | | | | |
| June | Functional | | | | | | | | | | | |
| July | Functional | | | | | | | | | | | |
| August | Functional | | | | | | | | | | | |
| September | Functional | | | | | | | | | | | |
| October | Functional | | | | | | | | | | | |
| November | Functional | | | | | | | | | | | |
| December | 3 hour | | | | | | | | | | | |