

## Testing:

Once connected to the 240V UPS backup mains supply, ensure the UPS unit has been allowed to charge. Conduct the following tests:

- For the first test, the lamp must remain illuminated for at least 2 hours after disconnection from the mains supply with the UPS running from the battery.
- Subsequent tests require the unit to illuminate for at least 90 minutes. The results of all tests are required to be recorded in a service logbook, which is to be kept on-site at all times. If the unit fails to remain illuminated for the requisite time, remedial action must be taken to repair the situation and once completed, the unit must pass a subsequent test. For more specific information, please refer to the current edition of the AS 2293.3 Standard.

## DALI EM Option

DALI Luminaires are fitted with DALI modules (nodes) that facilitate connection and integration to 3<sup>rd</sup> Party Lighting Control Systems. Before installing the DALI luminaire, please confirm that the Lighting Control System has the capability to monitor DALI Emergency Luminaires. The DALI fitting will be addressed and configured into the control system by the Lighting Control System Commissioning Technicians and not Clevertronics.

| State                         | LED Operation                   |
|-------------------------------|---------------------------------|
| Commissioned/ Un-commissioned | LED on Solid (Green)            |
| "IDENTIFY COMMAND"            | Fitting goes off for 10 seconds |

A 2-way "figure 8" cable and terminal block facilitates the connection to the DALI network. DALI connections are marked as Da Da.

To confirm operation of the fitting the Lighting Control System can only use the status query type command. To "test" the sign this status query will need to be synchronised with the formal test of the UPS from its battery source. The sign will report a fault if the LED lamp bar is not illuminated.

**DO NOT run a Start Function Test or Start Duration Test command.** If either of these is run, the fitting will go into test mode and the fitting will switch off as it will be internally disconnected from main power and there is no battery so the LED lamp bar won't run – the unit will report a failed test. This condition cannot be rectified, and the fitting will report this forever as it can never pass a test of this type.

## Cleverfit Maintenance:

### Lamp Replacement:

- Use only the LED Lamp Strip recommended in the Spares List of this instruction.
- To replace the lamp strip, remove the 4 self-tapping screws, remove the 2 threaded screws and remove the body cover. Disconnect the signal cable and install the new lamp strip.

## Trouble Shooting:

Below are a list of common problems and their possible causes.

**Fault: The Status LED indicator and main lamp is not illuminated.**

Check: A.C. is connected and is turned on. Test Switch for damage.

**Fault: Lamp does not illuminate in emergency mode.**

Check: A.C. is connected.  
Lamp is correctly inserted.  
UPS battery condition

## Rated Emergency Lumen Output in accordance with AS2293.1, not applicable for –TH (theatre) version (refer to spacing tables for installation positions):

Refer to the Technical Label for classification information.

## Warranty:

For Product Warranty information and Terms and Conditions of Sales please refer to our website



# L10™ Cleverfit LED Exit - UPS

## Installation & Maintenance Instruction Leaflet



### Victoria (Head Office & Manufacturing)

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Designed in Australia to comply with the requirements of AS2293.3: 2005 and AS/NZS CISPR15: 2017.

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## Models: LCFLED-xx-yy-zz-UPS

### Testing:

DALI yy = DALI

DALI-2 yy = D2

### Options:

Custom Option zz = SP

Running Man zz = R

Theatre xx = TH

## Spare Parts:

8002710 - PCA: Duris LED Strip Cleverfit Pro CT10276-D3

8002306 - PCA: CT10164-L6 CT10622-L2 6C43 UPS

## Important:

It is illegal for anyone, except for a licensed electrician to install or maintain this product. Before installation, ensure that the electricity supply has been switched off and isolated. Installation must be carried out in accordance with the relevant Australian and International Standards.

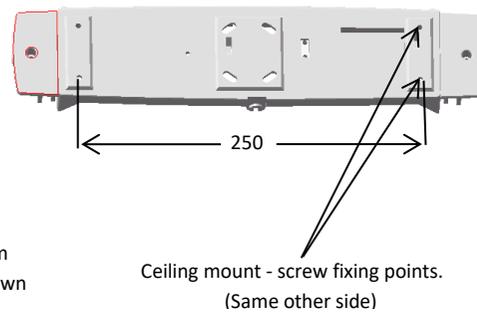
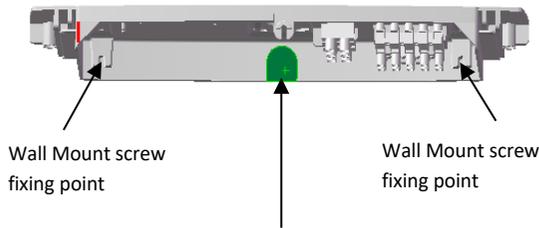
## Installation:

This Cleverfit LED Exit can be installed either Ceiling or Wall Mounted and can be mounted perpendicular to a wall using the (optional) Cleverfit Cantilever Bracket. The LCFLLED uses a "slide connect bracket base" that is mounted and wired into position first. The main body can be installed once the base is wired or later to avoid damage during the construction phase. Please follow the steps below to install the Cleverfit Exit:

- Disengage the slide connect bracket from the exit body. Position the base in the mounting position.
- Using the bracket as a guide, mark 2 holes for mounting and one for mains access. Then install the bracket using appropriate fixings (not supplied).
- Connect the 240VAC supply to the mounting bracket.
- Configure all the mounting parts and cable entry points as below (if required) and engage the body into the slide connect bracket. Apply mains power and check that the Cleverfit Exit is operational

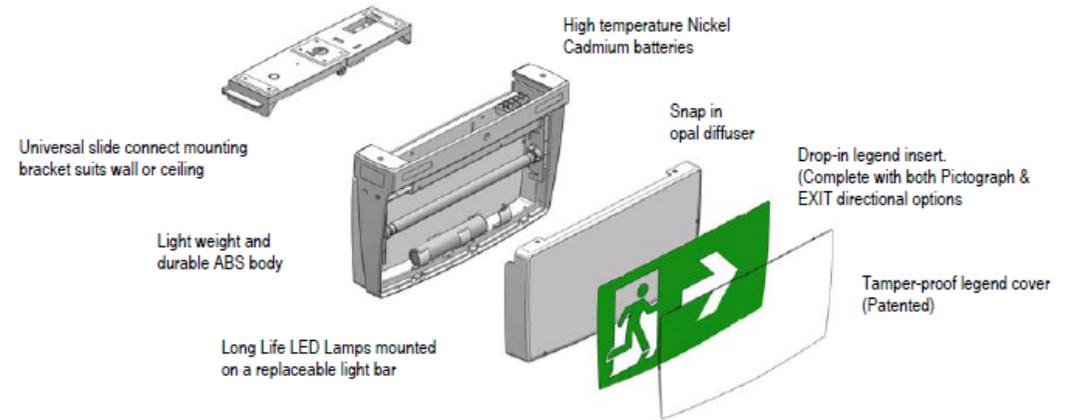
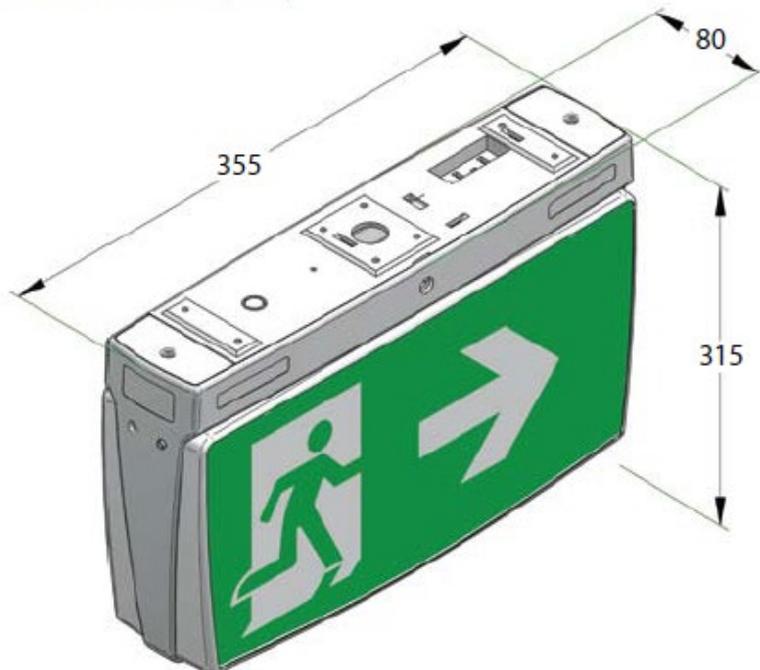
### Mounting Bracket - front view

### Mounting Bracket – top view



Cable Entry Point – Rear of bracket for wall mount, 20mm diameter, located in centre of bracket. Note: Bracket shown from front with the terminal block cover removed.

### DIMENSIONS (mm)

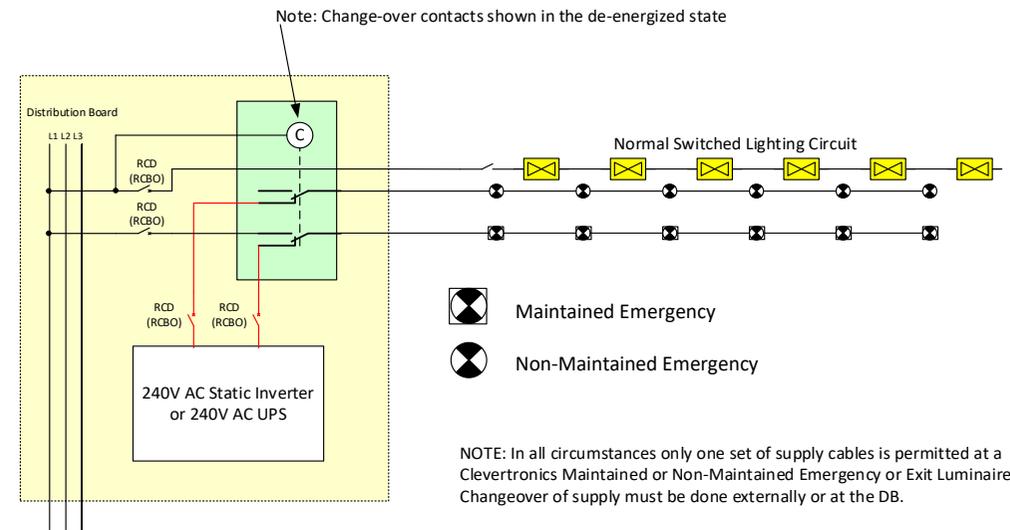


**Changing Exit Legend Inserts:** The Cleverfit Exit uses Clevertronics patented "Tamper proof" Exit legend cover and comes complete with spare legend inserts to enable straight on, left or right arrow as well as SS/DS combinations.

To change an Exit legend, insert first remove the diffuser. The clear tamper proof cover is held in place by 3 locking tabs in the top inside area of the diffuser. Use a tool to disengage and push the locking tabs through to release the cover and remove the insert, replacing it with the desired one. When double sided is required remove the cardboard insert from the second side when adding decal.

To re-install the clear cover, first engage the 3 small lugs on the bottom of the cover into their respective recesses in the diffuser. Once sure the lugs are located, and then the 2 side lugs, carefully push the 3 locking tabs back in, to complete the process.

## UPS Cleverfit Wiring and Connecting arrangements 240V AC, Static Inverter and UPS Applications



NOTE: In all circumstances only one set of supply cables is permitted at a Clevertronics Maintained or Non-Maintained Emergency or Exit Luminaire. Changeover of supply must be done externally or at the DB.

Note: Not suitable for connection a Zoneworks or Clever-test system.

Note: 110V DC is not supported

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V1.3

31 January 2024