

After Power ON, the Status LED on a Clevertest Plus enabled fitting will display a rapid Green or Red flashing for a period up to 2 minutes.
To access test switch of LLIFE-PRO-RECWP front cover needs to be removed.
Maintained fittings (LLIFEz-PRO-xx-yy-vv-uu-ww) cannot be scanned with a camera using the CleverSparky App as the maintained light source interferes with the camera scanning function. To register the fitting manually enter the serial number from the QR code and visually read the test result and enter manually into CleverSparky.

4HR: CTP will only test for the 2 hours (first test) and 90 minutes duration. 4 hours testing would only be facilitated as a Manual Discharge Test.

Zoneworks, HIVE and DATA Monitored Options

Fittings with part numbers -ZW, -HV, -DATA are fitted with Zoneworks communications modules (nodes). These fittings are monitored using either Powerline Carrier Technology that utilize the power cable to provide data communication, RF transceiver modules operating in the ISM band or a dedicated data cable to/from data routers installed on a dedicated data trunk connected to a central Server (can also be connected via Ethernet/Internet/Fibre). Zoneworks software on the server is used to monitor, coordinate testing and collate test data from each fitting. Zoneworks Fittings can be commissioned by a single push of the test switch or by scanning the supplied barcode. The LED Test Switch indicator provides a multifunction indication of the status of the fitting during testing and normal operation:

Table with 3 columns: Option, State, LED Operation. Rows include ZW, HV, DATA; ZW, DATA; HV; HV; ZW, DATA; HV with various states like Commissioned, Un-commissioned, Emergency Light Test In Progress.

In the case of the DATA version a 2-way "figure 8" cable and terminal block facilitates the connection to the DATA network via a multi-drop bus (daisy chain connection). For further information of installation of a Zoneworks system, please refer to the Zoneworks Users Guide and Commissioning Guide (incl. DATA version)

DALI EM Option

Luminaires with part numbers having -D2 are fitted with DALI-2 modules (nodes) that facilitate connection and integration to 3rd Party Lighting Control Systems. Before installing the -D2 luminaire, please confirm that the Lighting Control System has the capability to monitor DALI-2 Emergency Luminaires. The -D2 fitting will be addressed and configured into the control system by the Lighting Control System Commissioning Technicians and not Clevertronics.

Table with 2 columns: State, LED Operation. Rows include Commissioned/ Un-commissioned, Emergency Light Test in progress, "IDENTIFY COMMAND".

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

Installation & Maintenance Instruction Leaflet



Victoria (Head Office & Manufacturing)
Website: www.clevertronics.com.au
Email: info@clevertronics.com.au
Phone: +61 3 9559 2700

New South Wales
Phone: +61 2 8805 6400

Queensland
Phone: +61 7 3442 9700

South Australia/Northern Territory
Phone: +61 8 8301 8800

Western Australia
Phone: +61 8 9207 0000

New Zealand
Phone: +64 800 548 448

NOTE: Standard product codes with this symbol are enabled with Clevertest Plus capability. Please refer to the operation guide supplied with the product for details.

Models: LLIFEz-PRO-xx-yy-vv-uu-ww

Table with 2 columns: Testing, Options. Rows include Manual Test, Zoneworks, Z/W DATA, Zoneworks HIVE, DALI 2, Clevertest with various options like xx=Blank, yy=RECWP, ww=BLK, uu=4HR.

(NOTE: -CT Products supplied with the Clevertest Plus Symbol are activated with Clevertest PLUS capability. Please refer to the operation guide supplied with the product for details).

Spare Parts:

Table with 2 columns: Part Number, Description. Rows include 1530230 Replacement Battery, 1100869 Replacement Emergency LED Board, AUM01370040001 Replacement Emergency Driver (LLIFE-PRO-CKIT, Non-Maintained), etc.

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 LLIFE-PRO Recessed Non-maintained Emergency can be installed on PLASTER or T-BAR ceilings or used to replace an existing unit.

- First plan the assembly layout ensuring the battery is kept away from any heat source.
- Refer Images and Dimensions below for the Cut-out Hole and other dimensions.
- Use the Spring Clip Mount to mount the Head to the ceiling.
- Please ensure the control pack and battery is suspended above the ceiling. If the control pack and battery are to be mounted or placed on top of the ceiling, then please ensure the ceiling is capable of supporting these elements and in compliance with the relevant regulations with respect to mounting above/on the ceiling.
- If the CTP capabilities are activated, please affix the CTP status label to a visible surface and Four Segment Marking on the product will include an "F" in third segment block.

## Networking:

When installing the product on a monitored network, (ZONWORKS, DATA, DALI) simply insert the relevant Smart Node PCA.

## Dimensions:

### SQUARE HEAD

**Head depth:** 40mm including connector

**Head:** 60mm x 60mm

**Control gear:** 232mm (L) x 40mm (W) x 40mm (H)

### ROUND HEAD

**Head depth:** 40mm including connector

**Head Diameter:** 60mm diameter (with adaptor ring 98mm)

**Cut-out Hole:** 51mm diameter (with adaptor ring 80mm to 85mm recommended, maximum 90mm)

**Control gear:** 232mm (L) x 40mm (W) x 40mm (H)

**Battery pack:** 160mm (L) x 47mm (W) x 25mm (H), Note: 4HR version 200mm(L) x 60mm(W) x 25mm(H).



LED Head with Adapter Ring

## Testing:

When the LLIFE-PRO unit is connected to the un-switched active, it must be allowed to charge the battery for at least 24 hours. The emergency lamp only illuminates during a power fail. Conduct the following tests:

- The emergency lamp must illuminate for at least 2 hours after disconnection from the mains. 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 illuminate for the requisite time, remedial action must be taken to repair the situation and once completed, the unit must pass a subsequent test.
- Press and hold Test Button or switch Off Mains Supply, check that the emergency lamp is On.
- Release the Test Button or Switch On Mains Supply, check that the emergency lamp is Off (Non-maintained operation).

## Trouble Shooting:

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

**Fault:** The Green LED Test Switch indicator is not illuminated.

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

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

**Check:** A.C. is connected.  
Lamp is correctly inserted.  
Battery is connected

**Fault:** Lamp illuminates in emergency mode, but only stays on for a short period.

**Check:** Battery has been allowed to charge for at least 24 hours.  
Battery for damage.

## Rated Emergency Lumen Output in accordance with AS2293.1 version (refer to spacing tables for installation positions):

Refer to the Technical Label for classification information.

## Caution:

On many building sites, power circuits may be cut off in an uncontrolled and repetitive basis during construction. As a result, any Exit & Emergency Units, on these circuits, will have their batteries discharged or "cycled". The battery in this fitting has been selected to give excellent long-life performance in a controlled AS2293 testing environment. Excessive battery cycling will reduce through-life performance and may lead to premature battery failure. Battery warranty claims, as a result of such abuse, are specifically EXCLUDED from Clevertronics warranty terms.

## Warranty:

For Product Warranty information and Terms and Conditions of Sales please refer to our website <http://clevertronics.com.au/terms-conditions-sale-australia-nz/>