Zoneworks, HIVE and DATA Monitored Options

Fittings with part numbers -ZW, -HVG, -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:

Option	State	LED Operation
ZW, HVG, DATA	Commissioned	LED on Solid (Green)
ZW, DATA	Un-commissioned	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HVG	Un-commissioned With network connectivity	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HVG	Un-commissioned Without network connectivity	**Batt plugged-in:** yellow 250mS, green 250mS, yellow 250mS, green 250mS, green 1s
		Batt unplugged: red 250mS, off 250mS, red 250mS,off 250mS, off 1s
ZW, DATA	Emergency Light Test In Progress	LED flashes at yellow 5s , 0ff 1s
HVG	Emergency Light Test In Progress	LED flashes at yellow 1s , 0ff 1s

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 containing -DALI are fitted with DALI modules (nodes) that facilitate connection and integration to 3rd Party Lighting Control Systems. Before installing the fitting please confirm that the Lighting Control System has the capability to monitor DALI Emergency Luminaires. The 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)
Emergency Light Test in progress	LED flashes at 1s On (Yellow) & 1s Off
"IDENTIFY COMMAND"	Fitting goes into emergency mode for 10 seconds

A 2-way "figure 8" cable and terminal block facilitates the connection to the DALI network OR a 5/6way "structured wiring system" lead and plug facilitating the power and DALI connection. DALI connections are marked as Da Da.

Clevertest and Clevertest Plus

Refer to the supplementary operation guide supplied with the Product.

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.

Maintained fittings (CLIFEM-PRO-xx) cannot be scanned with a camera using the Clevertest Plus 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 Clevertest Plus App.

CLP™ LIFELIGHT PRO Recessed Emergency Luminaire

Installation & Maintenance Instruction Leaflet

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.

[□] CE UKCA **IP20**

Models: CLIFEz-PRO-yy-xx-ww
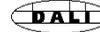
Testing :		Options:	
Manual Test	xx = Blank	Warm White	yy = WW
Zoneworks	xx = ZW	Colour, Black	ww = BLK
Z/W DATA	xx = DATA	Maintained	z = M
Zoneworks HIVE	xx = HVG	Non-Maintained	z = Blank
DALI Reg.	xx = DALI (DALI)		

Spare Parts:

1550229	BATT:LP 3.2V 6400mAh 200mm lead, Sleeve
1100894	UK,LifelightPro HeadAssbly,Rnd,LargeRg,Gen2,Blk,LT
1100897	UK,Lifelight Pro Head Assbly,Rnd,LargeRing,Gen2,LT
UKM02370070001	CLIFE-PRO-CKIT-475, Lifelight Pro, Control Only, 475mA, LP, OWC

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 British Standards.

Installation:

This CLIFE-PRO Recessed Emergency Luminaire 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 external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person to avoid a hazard.
- This luminaire contains non-replaceable light source.
- This luminaire contains non-user replaceable light source.
- Recommended specifications of terminal block for connecting leads:
    - Type of Terminal: Screw Terminal
    - Number of Terminals: 3-Pin
    - Rated Voltage: 250 V
    - Rated Connecting Capacity: 10A
- 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.

## Dimensions:

Head depth: 40mm including connector
Head Diameter: 60mm diameter (with adaptor ring 95mm)
Cut-out Hole: 51mm diameter (with adaptor ring up to85mm)
Control gear: 232mm (L) x 40mm (W) x 40mm (H)
Battery pack: 165mm (L) x 38mm (W) x 35mm (H)
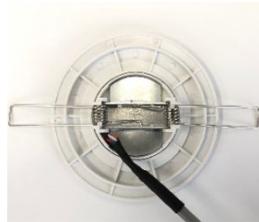
LED Head with Adapter Ring

Note:

This luminaire (with reinforced insulation between control/LED terminal and AC supply) contains non-user replaceable light source and battery - to be replaced (if required, refer installation instructions for battery replacement) by Clevertronics service personnel/agents or a registered electrician.

Battery Replacement:

1. Prior to any work, isolate the power to the luminaire that requires battery replacement
2. Remove the cord anchor securing battery cable by removing screw under driver.
3. Remove the Battery Connector from the Emergency Driver.
4. Replace battery, reconnect battery connector to Emergency Driver.
5. Carefully reinstall the cord anchor ensuring the lamp cable and battery cable are not pinched or damaged.

Testing Procedure:

When the 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 180 min after disconnection from the mains. 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).

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

Fault: **The Green LED 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.

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 Li-ion battery in the Exit & Emergency Unit has been selected to give excellent long life performance in a controlled IEC 60598-2-22 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
https://clevertronics.co.uk/product-warranty-statement/