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.

To access test switch of CLIFEz-PRO-yy-xx-RECWP-zz-vv-ww, front cover needs to be removed.

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:

Option	State	LED Operation
ZW, HV, DATA	Commissioned	LED on Solid (Green)
ZW, DATA	Un-commissioned	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HV	Un-commissioned With network connectivity	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HV	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
HV	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 having -DALI are fitted with DALI modules (nodes) that facilitate connection and integration to 3rd 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)
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. DALI connections are marked as Da Da.

![LP] ![Clevertronics]

LP™ LIFELIGHT PRO Recessed Emergency

Installation & Maintenance Instruction Leaflet

Designed in Australia to comply with the requirements of AS2293.3: 2005 and AS/NZS CISPR15: 2017 ☀
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: CLIFEz-PRO-yy-xx-ss-zz-vv-uu-ww

Testing:		Options:			
Manual Test	xx = Blank	5-Core Power Cable uu = F5C Supplied by customer	4 Hour runtime	yy = 4HR
Zoneworks	xx = ZW		Maintained	z = M
Z/W DATA	xx = DATA	3-Core Power Cable uu = F3C Supplied by customer	Square	zz = SQ
DALI	xx = DALI (DALI)		Custom Colour	ww
Z/W HIVE with External Antenna	xx = HVEXTA	5-Core Power Cable uu = 5C	Recessed Weatherproof	ss = RECWP
Z/W HIVE	xx = HV	3-Core Power Cable uu = 3C	Tamper Proof	vv = TP
Clevertest	xx = CT			

(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

Spare Parts:

1550230	BATT: LP 3.2V 6400mAh.200mm lead.Brkt.
1100871	Lifelight Pro Head Assbly,Rnd,Lge+Ring,LT,Blk,Gen2
1100868	Lifelight Pro Head Assbly,Rnd,Large+Ring, LT,Gen 2
1100845	Lifelight Pro Head Assembly,Square,Black (Only for –SQ-BLK option)
1100847	Lifelight Pro Head Assembly, Square, Gen 2 (Only for –SQ option)
1100848	Lifelight Pro Head Assembly, Square, Gen 2, Blk
AUM02370100001	CLIFE-PRO-CKIT, Lifelight Pro, Control Only, LP Lithium, 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 Australian and International Standards.

Installation:

This CLIFE-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, (ZONEWORKS, HIVE, DATA, DALI) simply insert the relevant Smart Node PCA.
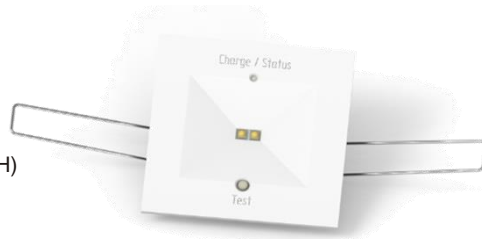
Dimensions:

SQUARE HEAD
Head depth: 40mm including connector
Head: 60mm x 60mm
Control gear: 232mm (L) x 40mm (W) x 40mm (H)
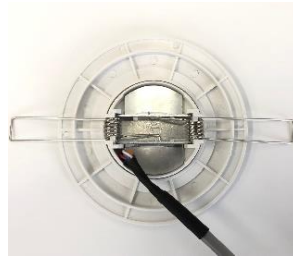
ROUND HEAD
Head depth: 40mm including connector
Head Diameter: 60mm diameter (with adaptor ring 95mm)
Cut-out Hole: 51mm diameter (with adaptor ring up to85mm)
Control gear: 232mm (L) x 40mm (W) x 40mm (H)
Battery pack: 160mm (L) x 47mm (W) x 25mm (H), Note: 4HR version 200mm(L) x 60mm(W) x 25mm(H).

LED Head with Adapter Ring

Testing:

When the CLIFE-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).

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.

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

For emergency classification refer to product technical label.

Caution:

On many building sites, power circuits may be cut off in an uncontrolled and repetitive basis during construction. As a result, any Lifelight Units, on these circuits, will have their batteries discharged or "cycled". The Li-ion battery in the Lifelight 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
http://clevertronics.com.au/terms-conditions-sale-australia-nz/