

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 , Off 1s
HVG	Emergency Light Test In Progress	LED flashes at yellow 1s , Off 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 fitting 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"	Lamp and Status LED Flash for 30 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 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.


Note : Freezer (-FZR) fittings do not support CTP



L10™ LIFELIGHT PRO Surface Mount Weatherproof 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.



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Models: LWPLIFEz-PRO-aa-bb-cc-dd

Testing:

Manual Test aa = Blank
Zoneworks aa = ZW
ZW DATA aa = DATA
Zoneworks HIVE aa = HVG
DALI REG. aa = DALI



Options:

Freezer bb = FRZ
Tamperproof cc = TP
Custom Colour dd = Custom Colour
Maintained z = M
Non-Maintained z = Blank

TAMPERPROOF variants use 4 Triangle head security screws to secure the cover.

Spare Parts:

1530230
1100811
1100809
UKM01370180001
UKM01870140001
UKM01170140001
UKM01270060002

BATTERY: L10 3.3V 5AH. 200mm lead.Brkt.
Lifelight Pro,Head Assem,Ld:280mm,Round,Gen2,LT
UK,Lifelight Pro Head Ass,Ld:280mm,Rnd,Gen2,LT,Blk
Lifelight Pro, Control Only, 415mA, L10, CTP, OWC
Lifelight Pro, Control Only, HVG, L10, 415mA
Lifelight Pro, Control Only, 415mA, ZW, L10
Lifelight Pro, Control Only, Dali Reg, L10, 415mA

Important:

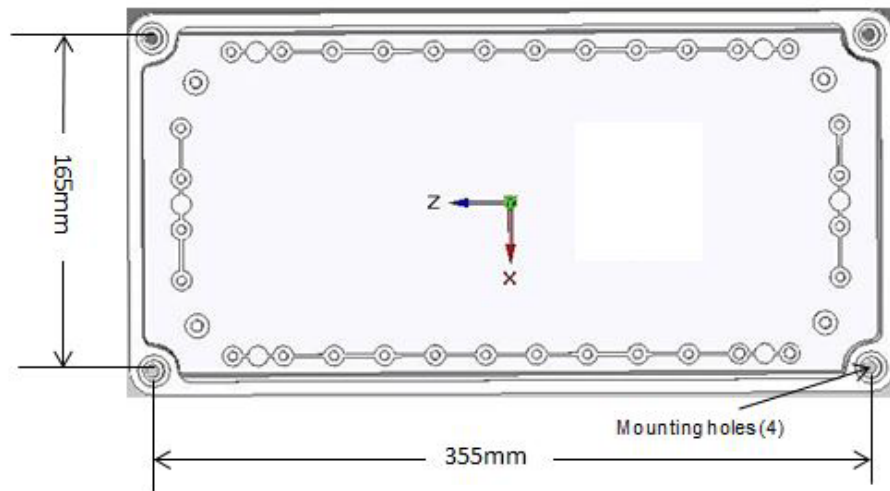
It is illegal for anyone, except for a licensed electrician to install or maintain this product. Before installation, ensure that the electricity supply has been switched off and isolated. Installation must be carried out in accordance with the relevant British Standards.

Installation:

This LWPLIFEz-PRO Surface mount Emergency Luminaire can be installed on solid or T-BAR ceilings or used to replace an existing unit.

- Locate the installation position.
- Pre-drill mounting holes per diagram below.
- Removed fitting cover.
- Use suitable fixings to fasten the fitting to the mounting surface.
- Taking note of the terminal block position, drill a hole in the fitting box to suit the cable gland or conduit to be used for power entry.
- Terminate the supply cables to the L, N & E terminals (in the case of the –DALI or –DATA fittings terminate the DALI or DATA cable to the terminals marked Da Da or DATA).
- Screw the cover to the base.
- If the CTP capabilities are activated, please affix the CTP status Label to a visible surface.
- This luminaire contains non-user replaceable light source and battery.
- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 0.330m is not expected.

Images and Dimensions:



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. Open the fitting by loosening the four corner screws holding diffuser, support diffuser during this.
3. Remove four screws holding opaque lamp holder plate, support lamp holder plate during this.
4. Remove four stand-offs holding the gear tray, support gear tray during this process.
5. Remove the Battery Connector from the Emergency Driver.
6. Remove the battery from the gear tray by removing mounting screws.
7. Replace battery, re-install screws and connect to Emergency Driver.
8. Reinstall the gear tray, lamp holder plate and diffuser, ensure diffuser is aligned on seals to maintain the weatherproof seal.

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/>