

Clevertest Plus



Clevertest products must be “activated” before self-test functionality will operate. Refer to supplementary operation guide supplied with the Product or linked via QR code on packaging for details.

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 register the fitting into Clevertest Plus app see supplementary guide.

Zoneworks, HIVE Monitored Options

Fittings with part numbers -ZW and -HVG 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 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	Commissioned	LED on Solid (Green)
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	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

For further information of installation of a Zoneworks system, please refer to the Zoneworks Users Guide and Commissioning Guide.

DALI 2 EM Option

Luminaires with part numbers having -D2 are fitted with DALI 2 certified 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”	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.



L10™ Weatherproof Jumbo LED Exit One Box Solution Installation & Maintenance Instruction Leaflet



Dimensions: 570mm x 117mm x 340mm Weight 5.6KG
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:

LJWELED-50-xx-yy-uu-ww

Testing:

Manual Test xx = Blank
Zoneworks xx = ZW
Zoneworks HIVE xx = HVG
DALI-2 xx = D2

Options:

Tamperproof yy=TP
Uninterrupted Power Supply ww=UPS
Black Colour uu=BLK

Spare Parts:

1533231 Replacement Battery
8050640 Replacement Emergency LED Board
UKM00000004301 Replacement Emergency Driver

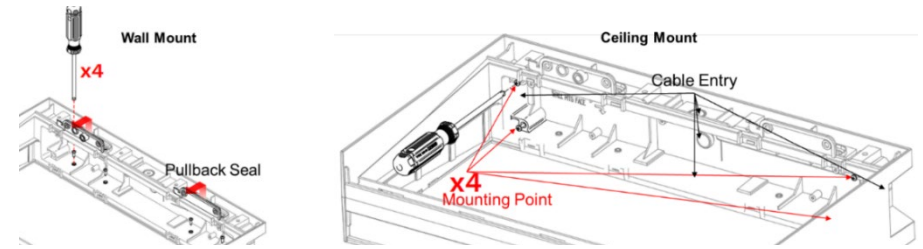
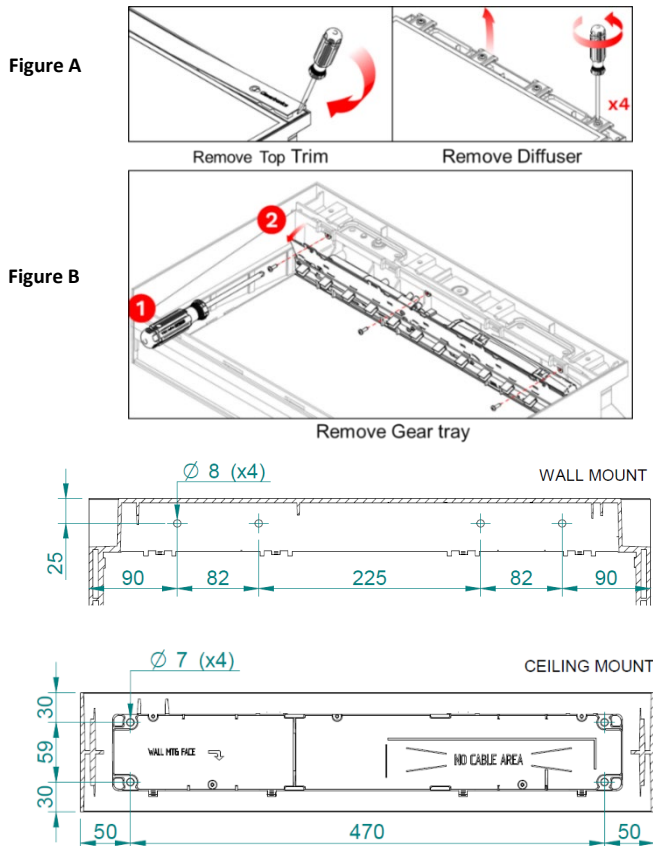
Important:

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:

- Locate the installation position.
- Remove the front trim piece, by levering one of the corners up and pulling off. (Figure A)
- Remove the front Diffuser by undoing the 4 holding screws then lever it out. (Figure A)
- Remove Gear Tray by undoing the 3 retaining screws using a suitable screwdriver. (Figure B)
- Position the product in the wall or ceiling mount position & pre-drill mounting holes (Figure C).
- Wall Mount pull back the Seal Tab to expose mounting holes. Feed your screwdriver through front facing holes to access fixing screws (Figure C).
- Mount product using suitable fixings (including consideration of maintaining the IP rating).
- Drill suitable entry points for supply cables either on the top, rear, or sides of the base using a suitable tool for polycarbonate plastic. (Figure C)
- The product is designed to take a Maximum M25 Cable Gland/ conduit adaptor. A suitable round cable diameter will need to be selected when Cable Gland used, consult Manufacturer datasheet.
- Seal Cable entry and Mounting holes appropriately to maintain the IP Rating stated on the Technical Label.
- Terminate the UNPOWERED supply cables to the unswitched Live, Neutral & Earth terminals (in the case of the -D2 fittings terminate the cable to the polarity free terminals marked Da Da).
- Ensure the Battery is connected. Push the gear tray back into position, make sure that the clips on the back are properly engaged, and secure in place using the three screws.
- Attach the diffuser panel by inserting the base into the channel on the body of the exit sign, taking care to verify the seal is in place and the clips are properly engaged, and then fold the panel up to position the locking screws. Tighten the diffuser screws and fit the front trim. (All screws need to be firm before the front trim can be fitted.)
- If the CTP self-test capabilities are activated, please affix the CTP status label to a visible surface and add the letter "F" to the 3rd square in the Four Segment Marking on the product

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.

If flexible wiring is connected to this luminaire and is within arms reach, the wiring shall be effectively fixed to the wall to reduce the risk of strangulation.

Battery Replacement:

1. Prior to any work, isolate the power to the luminaire that requires battery replacement
2. Follow Installation section to remove Gear tray
3. Disconnect Battery from EM Driver and remove Cable ties & Battery
4. Replace Battery, secure using cable ties and connect to Emergency Driver.
5. Follow Installation section to reassemble luminaire

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).

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.

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/>