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.

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 (HV/HVG) and DATA Monitored Options

Fittings with part numbers -ZW, -HV, -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, HV, HVG, DATA	Commissioned	LED on Solid (Green)
ZW, DATA	Un-commissioned	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HV, HVG	Un-commissioned With network connectivity	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HV, 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
HV, 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 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"	Lamp and Status LED Flash for 30 seconds

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

Hybrid LED Blade Exit

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: CJELED-40-ww-xx-yy-zz

Testing:		Options:	
Manual Test	xx = Blank	Custom Colour	zz
Zoneworks	xx = ZW	4 Hour Battery	yy = 4HR
Z/W DATA	xx = DATA	Mounting Option	ww = CM
Zoneworks HIVE	xx = HV/HVG	Mounting Option	ww = WM
DALI Registered.	xx = DALI [DALI]		
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 for details).

Spare Parts:
1550010	Replacement Battery
1550230	Replacement Battery **(-4HR Option)**
8002470	Replacement LED Lamp
AUM02370110001	Replacement 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 Australian and International Standards.

Installation:

The Jumbo LED Exit can be Wall or Ceiling Mounted:

Wall Mounting -WM (single sided)
- Remove one of the corner trim pieces
- Remove the back-mounting plate.
- Determine power entry
- Position the mounting plate in the mounting position.
- Mark the 4 holes for mounting. Then install the appropriate fixings (not supplied).
- Reinstall the mounting plate to the fitting.
- Install the fitting on the mounting hardware, while routing the power cable through the access hole.
- Ensure connection of the grounding strap between the fitting and the back plate.
- Connect the 240VAC supply to the terminal block
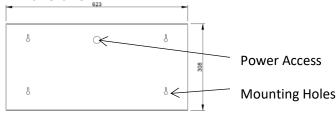
Ceiling Mounting -CM (single or double sided)
- Remove one of the corner trim panels.
- Determine power entry
- Position the fitting in the mounting position.
- Mark the mounting holes at the top of the fitting.
- Then install the appropriate fixings (not supplied).
- Position the fitting while routing the power cable and attach to the surface as required.
- Connect the 240VAC supply to the terminal block.

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.
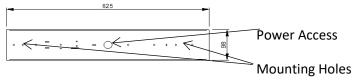
Networking:

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

Dimensions:

Power Access

Mounting Holes

Wall Mounting Plate

Power Access

Mounting Holes

Ceiling Mounting Plate

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.

Testing:

Once connected to the 240V mains supply, the unit must be allowed to charge the battery for at least 24 hours. Conduct the following tests:
- For the first test, the emergency lamp must remain illuminated for at least 2 hours after disconnection from the mains supply.
- Subsequent tests require the unit to illuminate for at least 90 minutes. 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 remain illuminated for the requisite time, remedial action must be taken to repair the situation and once completed, the unit must pass a subsequent test. For more specific information, please refer to the current edition of the AS 2293.3 Standard.
- Press and hold Test Button or switch Off Mains Supply, check that the emergency lamp is On.

Battery Replacement:

1. Prior to any work, isolate the power to the luminaire that requires battery replacement
2. Open the fitting by removing one of the corner trim pieces.
3. Slide out protective cover, decal and diffuser.
4. Remove the Battery Connector from the Emergency Driver.
5. Remove the battery from the gear tray by removing mounting screws.
6. Replace battery, re-install screws and connecter to Emergency Driver.
7. Reinsert protective cover, decal, diffuser, and replace the corner trim piece.

LED Exit Maintenance:

Lamp Replacement:

- Use only the LED lamp strip recommended on the label inside the Exit fitting or this instruction.

Battery Replacement:

- Use only the battery recommended on the label inside the Exit fitting and on this instruction.
- Un-plug the lead from the Inverter pack. Remove the old battery and install the new one.
- Reconnect the battery cable to the inverter pack

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, not applicable for –TH (theatre) 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/