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.

Zoneworks HIVE Monitored Options

Fittings with part numbers -HVG are fitted with Zoneworks communications modules (nodes). These fittings are monitored using RF transceiver modules operating in the ISM band. Zoneworks software on the server is used to monitor, coordinate testing and collate test data from each fitting. The LED Test Switch indicator provides a multifunction indication of the status of the fitting during testing and normal operation:

Option	State	LED Operation
HVG	Commissioned	LED on Solid (Green)
		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
HVG	Emergency Light Test In Progress	LED flashes at yellow 1s , 0ff 1s

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

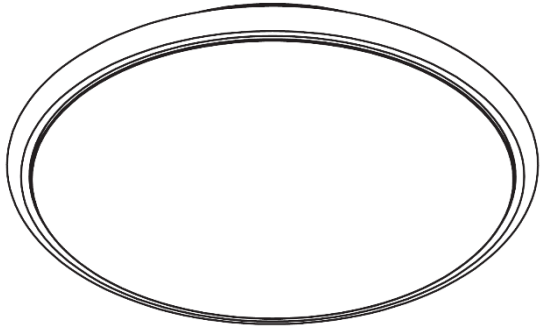
DALI 2 EM Option

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™ Disc Pro (Circular) LED 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.

Australia (Head Office)
Website: www.clevertronics.com.au
Email: info@clevertronics.com.au
Phone: +61 3 9559 2700

UK OFFICE
Website: www.clevertronics.co.uk
Email: sales@clevertronics.co.uk
Phone: 01895 430 255

Models: DISCPRO-xx-L10-yy-zz

Testing:		Options:	
Manual Test	yy = Blank	Motion Sensor	xx = SEN
DALI - 2	yy = D2	DALI Driver	xx = DD
Zoneworks Hive	yy = HVG	Colour Black	zz = BLK

Spare Parts:

1533290	Replacement Battery
133-00006	Replacement Mains Driver
133-00017	Replacement Mains Sensor Driver (SEN)
805-00060	Replacement LED Board (EM & Main)
UKM00000001601	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:

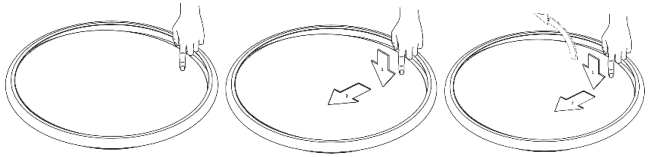
The Disc Pro Circular can be installed either Ceiling or Wall Mounted.

- Remove the diffuser from the base, refer instruction below.
- Remove the gear-tray by loosening the 3 screws holding it in place and then slightly rotating the gear-tray anti-clockwise to release it from the keyhole slots.
- The power cable entry to the luminaire is via the rear surface of the base through the existing hole. Ensure appropriate cable entry provisions are made on the installation surface for this purpose.
- The base of the luminaire can be mounted to the installation surface with the use of suitable fasteners (Not provided). These fasteners should be placed through the mounting feet of the base of the luminaire. If the luminaire is to be wall mounted, ensure that the test switch and status LED is downward facing.
- Route the power cable into the base via the existing hole at the rear of the base during the installation of the base.
- Secure the gear-tray to the base by connecting the lanyard extending from the base to the gear-tray.
- Connect the unpowered supply cable (⏚,L_{SW}, L_{EM}, N) to the terminal block of the gear tray.
- Secure the gear-tray to the base via the keyhole slots on the gear-tray and by tightening the 3 screws.
- Fit the diffuser to the base.
- Apply power to the luminaire and test as per the instructions.
- If the CTP capabilities are activated, please affix the CTP status label to a visible surface and update the Four Segment Marking on the product to include a ‘‘F’’ in third segment block.

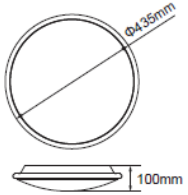
WARNING - INSULATION RESISTANCE TESTING

Due to surge protection devices connected to earth, insulation resistance testing with this product connected must be limited to 250 V DC maximum.
For insulation resistance testing above 250 V DC, disconnect the product from the circuit before testing.

Diffuser Removal:



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.

Maintenance:

Prior to any work, **isolate the power to the luminaire** that requires Battery or Lamp replacement

Battery Replacement:

1. Obtain access to the base of the fitting. Do this by removing the diffuser, then removing the gear-tray by loosening the 3 screws holding it in place and then slightly rotating the gear-tray anti-clockwise to release it from the keyhole slots.
2. Disconnect the battery connector from the Emergency Driver.
3. Remove the battery and then replace it with the new battery.
4. Fit the battery connector to the Emergency Driver.
5. Refit the gear-tray and diffuser by following the above process in reverse.

Testing Procedure:

Once connected to the mains supply, the unit must be allowed to charge the battery for at least 24 hours. Conduct the following tests:

1. 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.
2. Press and hold Test Button or switch Off Mains Supply, check that the emergency lamp is On.
3. 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/