

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. Remove Cover Plate, and either remove Solid surface screws or turn Clamping screws anticlockwise to remove fitting.
3. Remove cover and remove cable ties holding the battery and remove the Battery Connector from the Emergency Driver.
4. Replace battery, connect to Emergency Driver and secure with cable ties.
5. Replace cover and reinstall the fitting, including the faceplate.

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*, the product will go into Dynamic Green mode.

NOTE: Initiating a Function or Duration test using the Zoneworks Software will trigger Dynamic Green for completion of the test.

*The Test button needs to be held for longer than 1 seconds for the product to go into Emergency Mode.

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.

Fault: The Dynamic Green is not sequencing.

Check: The 24 Volt/VF control is connected and turned on.
Polarity of 24V control.
Check that the correct interface control is selected.

Warranty:

For Product Warranty information and Terms and Conditions of Sales please refer to our website

<https://clevertronics.co.uk/product-warranty-statement/>



CLP™ UltraBlade Pro Dynamic Green Installation & Maintenance Instruction Leaflet



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Models:

Testing:

Zoneworks	xx = ZW
Z/W DATA	xx = DATA
Zoneworks HIVE	xx = HVG

Normally Open	xx=NO
Normally Closed	xx=NC
Activated Only by Fire Panel	xx=AOFP
Weatherproof	x=W

Spare Parts:

1550050	BATT:LP 3.2V 3200mAh 70mm lead,no BRKT.
1550250	BATT:LP 3.2V 6400mAh. SBS. (for DS only)
DYGC-UP-CKIT	CleverEvac UltraBlade Pro, Control Only, LP
DYGC-UP-HVG-CKIT	CleverEvac UltraBlade Pro, Control Only, HVG, LP

DYGC-xUP-uu-vv-ww-xx-yy

Options:

Running man with right arrow	yy=RR
Running man with left arrow	yy=RL
Running man with Up arrow	yy=RU
Running man with down arrow	yy=RD
Double sided Running Man Arrow	yy=DS-RAOW

Dynamic Green Disabled	uu=DDG
Theater Mask	vv=TH
SoundEscape module	ww=SND

Important:

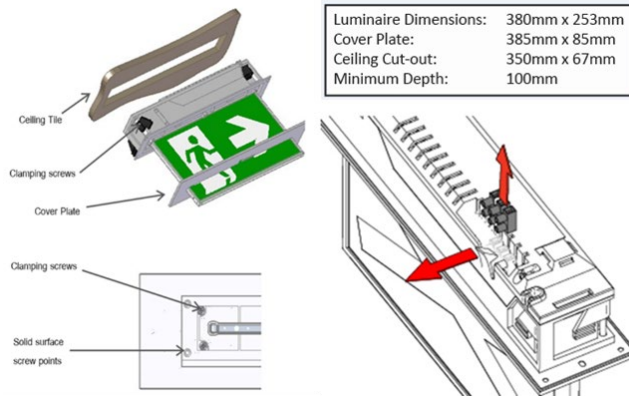
It is illegal for anyone, except for a licensed electrician to install or maintain this product. Before installation, ensure that the electricity supply has been switched off and isolated. Installation must be carried out in accordance with the relevant British Standards.

Clevertronics Pty Ltd is a vendor of CleverEVAC products. It is not a fire engineer or designer. It does not purport to recommend its products for use in any particular application or to achieve any particular outcome. Purchasers and users of its products must take their own steps to ensure compliance with statutory requirements, safe practice and suitable application of the products.

Installation:

The CLP UltraBlade Pro Dynamic Green is a recessed ceiling mount fitting. The UltraBlade Pro Dynamic Green can be attached directly to any solid surface, or to a ceiling tile. Please follow the steps below to install the Exit:

- Create a cut-out (350mm x 70mm) in the mounting surface.
- Remove the Fire Panel Input terminal block by disengaging the clip. Refer to Image below.
- Route the power cord to the mains connection and connect the 240VAC supply.
- Terminal block not included. Installation must be performed by a qualified person.
- Recommended specifications of terminal block for connecting leads:
 - Type of Terminal: Screw Terminal
 - Number of Terminals: 3-Pin
 - Rated Voltage: 250 V
 - Rated Connecting Capacity: 10A
- Route 24V/VF control cables through the access hole and connect to the terminal block as per next step.
- Connect positive signal of GREEN activation to I1 and negative signal to C (Common).
- Reinstall the terminal block.
- Insert the Fitting into the ceiling cavity tighten the (4) clamping screws.
- Alternately, fix the Fitting to a solid surface using (4) screws through the surface material.
- Install the cover plate.
- Apply power to the fitting and test.
- If the flexible cable of this luminaire is damaged, it shall be exclusively replaced by the manufacturer of his service agent or a similar qualified person in order to avoid a hazard.



Dynamic Green 24 Volt (24V)/Volt Free (VF) Operation and Testing

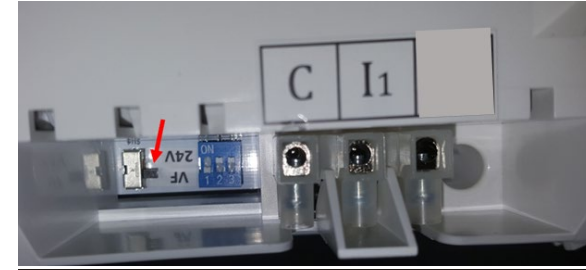
Activation of the Dynamic Green is controlled via 24V/VF control interface. The fitting comes pre-set as normally OFF. This is switched via an intelligent circuit inside the fitting. This is controlled by the 24V/VF input from a fire panel or other source. If you would like to change the activation of the Dynamic Green from Normally OFF to Normally ON change the Dip Switch no.3 on the Main LED Board found next to the fire Panel Input terminal block.



NOTE: For the Dip Switch setting to take effect the power and battery will need to be disconnected and reconnected.

Selecting the Type of the Interface

The fitting comes pre-set to the Volt Free (VF) control interface, to change this to 24V you will have to change the switch from VF to 24V found next to Fire Panel Input Terminal Block. Please see image below.



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: Amber 1s, green 1s
		Batt unplugged: red 1s, off 1s
HVG	Un-commissioned With network connectivity	Batt plugged-in: Amber 1s, green 1s
		Batt unplugged: red 1s, off 1s
HVG	Un-commissioned Without network connectivity	Batt plugged-in: Amber 250mS, green 250mS, Amber 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 Amber 5s , Off 1s
HVG	Emergency Light Test In Progress	LED flashes at Amber 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)

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.