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. Disengage the slide connect bracket from the exit body.
3. Remove Cover Plate.
4. Remove cable tie holding the battery and remove the Battery Connector from the Emergency Driver.
5. Replace battery, connect to Emergency Driver and secure with cable tie.
6. Replace Cover Plate and reinstall the fitting.

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 LITHIUM IRON PHOSPHATE PREMIUM PROVEN PROJECT PERFORMANCE

CleverEVAC from Clevertronics

CLP™ Cleverfit Pro Dynamic Green
Installation & Maintenance Instruction Leaflet

Australia (Head Office)
Website: www.clevertronics.com.au
Email: info@clevertronics.com.au
Phone: +61 3 9559 2700
Fax: +61 3 9559 2799

UK OFFICE
Website: www.clevertronics.co.uk
362 Stockley Close
West Drayton UB7 9BL
Phone: 01895 430 255

Models: DYGC-xCP-uu-vv-ww-xx-yy-zz

Testing:		Options:	
Zoneworks	xx = ZW	Running man with right arrow	yy=RR
Z/W DATA	xx = DATA	Running man with left arrow	yy=RL
Zoneworks HIVE	xx = HVG	Running man with Up arrow	yy=RU
		Running man with down arrow	yy=RD
Normally Open	xx=NO	Double sided Running Man Arrow	yy=DS-RAOW
Normally Closed	xx=NC	Dynamic Green Disabled	uu=DDG
Activated Only by Fire Panel	xx=AOFP	Theater Mask	vv=TH
Weatherproof	x=W	SoundEscape module	ww=SND
		Black	zz=BLK

Spare Parts:

1550030	BATT: LP 3.2V 3200mAh 300mm lead,noBRKT
8002927	PCA: DYxx Driver Board #CT10142-L9

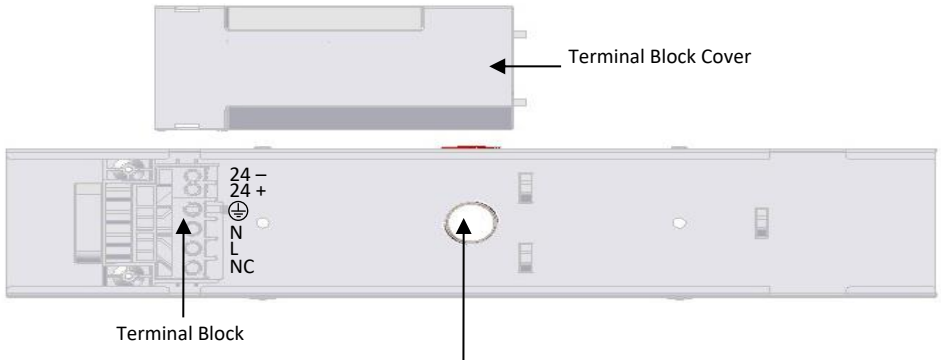
Important:
It is illegal for anyone, except for a licensed electrician to install or maintain this product. Before installation, ensure that the electricity supply has been switched off and isolated. Installation must be carried out in accordance with the relevant British Standards.

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 Cleverfit Pro Dynamic Green can be installed either Ceiling or Wall Mounted. The CLP Cleverfit Pro Dynamic Green uses a “slide connect bracket base” that is mounted and wired into position first. The main body can be installed once the base is wired or later to avoid damage during the construction phase. Please follow the steps below to install the CLP Cleverfit Pro Dynamic Green Exit:

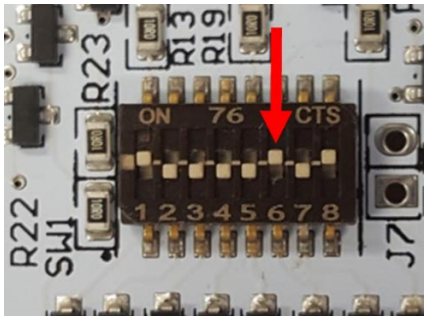
- Disengage the slide connect bracket from the exit body. Position the base in the mounting position.
- Using the bracket as a guide, mark 2 holes for mounting and one for mains access. Then install the bracket using appropriate fixings (not supplied).
- Remove the Terminal Block Cover.
- Route the AC power and 24/VF control cables through the access hole and connect to the terminal block as shown below.
- Reinstall the terminal block cover.
- Install the exit fitting to the slide bracket.



Cable Entry Point – Inside of bracket for ceiling mount, 20mm diameter, located in centre of bracket. Bracket shown with the terminal block cover removed.

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

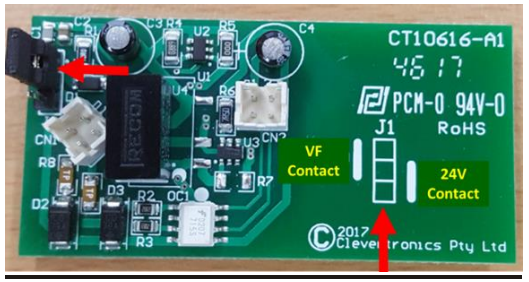
Activation of the Dynamic Green is controlled via 24V/VF control interface. The fitting comes pre-set as normally OFF. This is switched via an intelligent circuit inside the fitting. This is controlled by the 24V/VF input from a fire panel or other source. If you would like to change the activation of the Dynamic Green from Normally OFF to Normally ON change the Dip Switch no.6 on the Main LED Board (found under the Running Man diffuser) to 0.



NOTE: For the Dip Switch setting to take effect the power and battery will need to be disconnected and reconnected.
For –SND products this operation is set depending on the part number ordered and cannot be changed by user.

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 jumper on J1 from 1-2 (Image below) to 2-3 on the Contact board found next to battery compartment. 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 , 0ff 1s
HVG	Emergency Light Test In Progress	LED flashes at Amber 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)

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.