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:

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, the product will go into Dynamic Red mode for the initial 120 seconds of the test button being pressed and then switch to Dynamic Green, check that the emergency lamp at base is On while button is pressed. Release the Test Button, check that the emergency lamp at base is Off (Non-maintained operation) and the fitting returns to state prior to test.

NOTE: Initiating a 1 minute Function test using the Zoneworks Software will trigger the Dynamic Red Mode for 60 seconds then return to normal operation.
Initiating a Duration test using the Zoneworks Software will trigger the Dynamic Red Mode for 120 seconds then Dynamic Green until the Duration test is complete then return to normal 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.

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.

Fault: **The Dynamic Red is not illuminated.**
Check: The 24 Volt/VF control is connected and turned on.
Polarity of 24V control.
Check that the correct interface control is selected.
Check that the Dynamic Red is activated on the dip switches.

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 luminaire 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/

CLP™ Cleverfit Pro Dynamic Red

Installation & Maintenance Instruction Leaflet

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UK CA CE **IP20**

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

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

Spare Parts:

1553231	Replacement Battery
8003830	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.

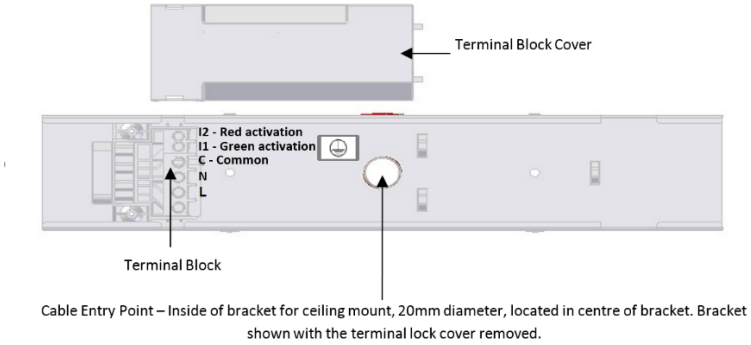
Clevertronics Pty Ltd is a vendor of CleverEVAC products. It is not a fire engineer or designer. It does not purport to recommend its products for use in any particular application or to achieve any particular outcome. Purchasers and users of its products must take their own steps to ensure compliance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

Installation:

The Cleverfit Pro Dynamic Red can be installed either Ceiling or Wall Mounted. The Cleverfit Pro Dynamic Red 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 Cleverfit Pro Dynamic Red 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. Earth to be connected to ⏚ only.
- Connect positive signal of RED activation to I2 and negative signal to C (Common).
- Connect positive signal of GREEN activation to I1 and negative signal to C (Common).
- Reinstall the terminal block cover.
- Install the exit fitting to the slide bracket.

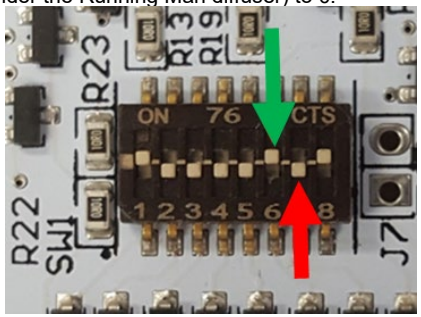
NOTE: Only to be used with the CleverEVAC Dynamic Red Bracket, do not use on similar brackets such as Cleverfit PRO(CCFPRO/LCFPRO).



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

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

Activation of the Dynamic Red/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 Red/Green from Normally OFF to Normally ON change the Dip Switch no.6 (GREEN)/ no.7 (RED) on the Main LED Board (found under the Running Man diffuser) to 0.



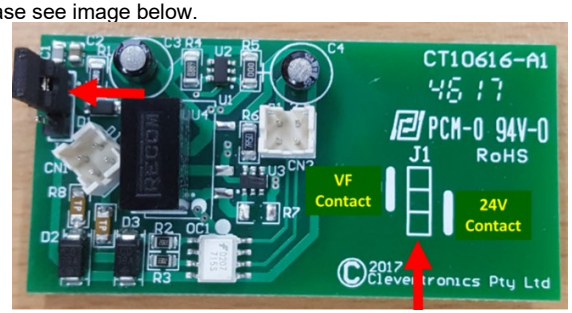
NOTE: For the Dip Switch setting to take effect the power and battery will need to be disconnected and reconnected.

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.

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.



Battery Replacement:

1. Prior to any work, isolate the power to the luminaire that requires battery replacement.
2. Remove fitting from mounting bracket.
3. Remove Emergency Driver cover from top and disconnect the battery connector.
4. Remove rear diffuser cover and remove battery from holder.
5. Replace battery and connect to Emergency Driver.
6. Reinstall the rear diffuser cover and the Emergency Driver cover.
7. Reinstall the fitting onto the mounting bracket.

Zoneworks 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)