

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: Amber 1s, green 1s
		Batt unplugged: red 1s, off 1s
HV, HVG	Un-commissioned With network connectivity	Batt plugged-in: Amber 1s, green 1s
		Batt unplugged: red 1s, off 1s
HV, 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
HV, 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)

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.

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.



L10™ Cleverfit Pro Dynamic Green Installation & Maintenance Instruction Leaflet



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Models:

Testing:

Zoneworks

xx = ZW

Z/W DATA

xx = DATA

Zoneworks HIVE

xx = HV/HVG

Normally Open

xx=NO

Normally Closed

xx=NC

Activated Only by Fire Panel

xx=AOFP

Weatherproof

x=W

DYGL-xCP-uu-vv-ww-xx-yy-zz

Options:

Running Man

yy=R

Running Man Left Arrow

yy=RL

Running Man Right Arrow

yy=RR

Running man with Up arrow

yy=RU

Running man with down arrow

yy=RD

Dynamic Green Disabled

uu=DDG

Theater Mask

vv=TH

SoundEscape module

ww=SND

Spare Parts:

1530030

Replacement Battery

8002925

Replacement Emergency Driver

8002927

Replacement Emergency Driver (-HV/HVG)

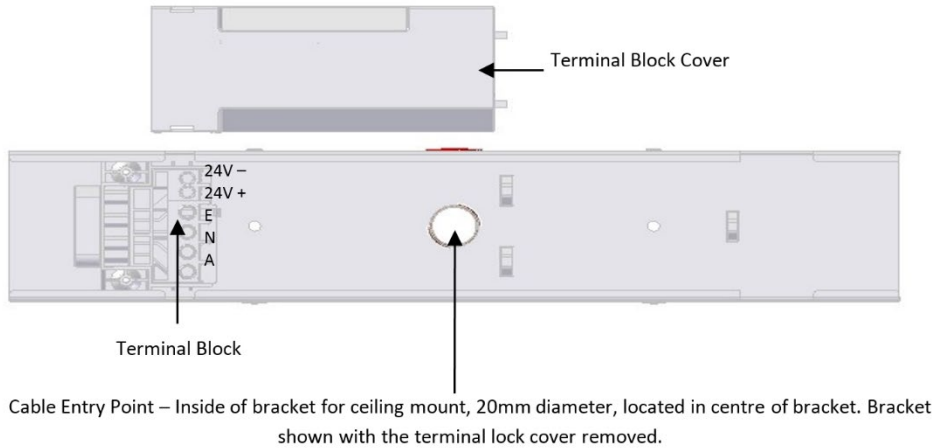
Important:

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 L10 Cleverfit Pro Dynamic Green can be installed either Ceiling or Wall Mounted. The L10 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 L10 Cleverfit Pro Dynamic Green Exit:

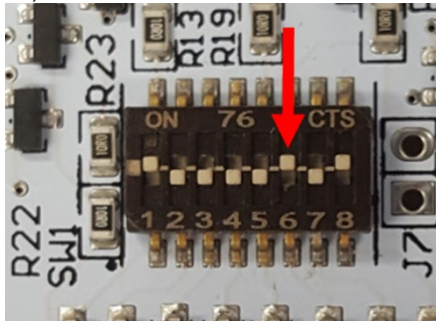
- Disengage the slide connect bracket from the exit body. Position the base in the mounting position.
- Using the bracket as a guide, mark 2 holes for mounting and one for mains access. Then install the bracket using appropriate fixings (not supplied).
- Remove the Terminal Block Cover.
- Route the AC power and 24V/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.
- To disable the Dynamic Green mode coming on in Emergency mode Set dipswitch 8 to OFF position.



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

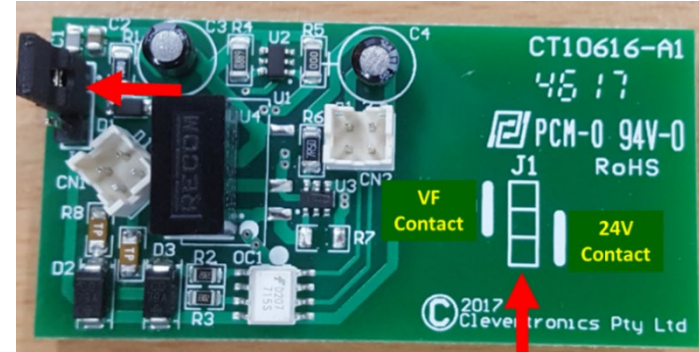
Dynamic Green 24 Volt (24V)/Volt Free (VF) Operation and Testing

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.



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.



Networking:

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

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, the product will go into Dynamic Green mode.

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

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 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/>