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 of up to 2 minutes.

Zoneworks HIVE Monitored Options

Fittings with part numbers -HV/HVG are fitted with Zoneworks HIVE communications modules (nodes). These fittings are monitored using RF transceiver modules operating in the ISM band 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 HIVE Fittings can be commissioned by scanning the supplied barcode. The LED indicator provides a multifunction indication of the status of the fitting during testing and normal operation:

Option	State	LED Operation
HV/HVG	Commissioned	LED on Solid (Green)
HV/HVG	Un-commissioned With network connectivity	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HV/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
HV/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 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 fitting 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 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.

Note:

This luminaire (with reinforced insulation between control/LED terminal and AC supply) contains a non-user replaceable light source and battery - to be replaced (if required, refer to installation instructions for battery replacement) by Clevertronics service personnel/agents or a registered electrician.

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/

FORM 16m Exit

Installation & Maintenance Instruction Leaflet



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Phone: +61 7 3442 9700

South Australia/Northern Territory
Phone: +61 8 8301 8800

Western Australia
Phone: +61 8 9207 0000

New Zealand
Phone: +64 800 548 448

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.

Models: FORM-16-REC-WM-L10-xx-yy-uu

Testing:

Manual Test	xx = Blank
Zoneworks HIVE	xx = HV/HVG
DALI Registered.	xx = DALI

Options:

No EM Lens	yy = Blank
EM Lens	yy = ESC
Custom colour	uu = Colour

Spare Parts:

1530050	Replacement Battery
AUM01370540001	Replacement Emergency Driver

Important:

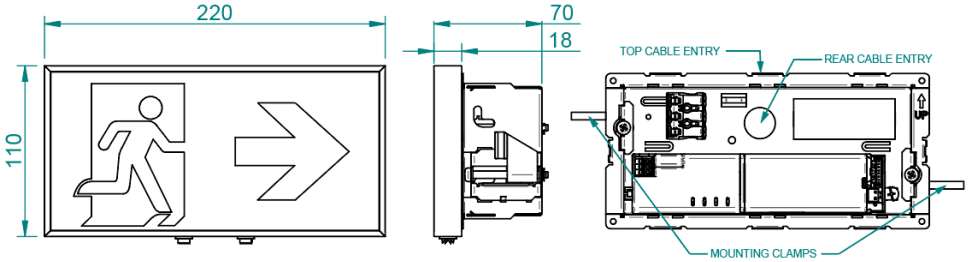
It is illegal for anyone, except for a licensed electrician to install or maintain this product. Before installation, ensure that the electricity supply has been switched off and isolated. Installation must be carried out in accordance with the relevant Australian and International Standards.

Caution

On many building sites, power circuits may be cut off on 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.

Dimensions:

1942679 V1.1 13 November 2026



Installation:

Please follow the below steps to install the product correctly:

BOX INSTALLATION

- Create a 200 x 90mm cutout in the mounting surface.
- Insert cable through the appropriate cable entry and leave enough cable to reach into the terminal block.
- Ensuring the side paddles are lying flat against the box, insert the metal box into the cutout, then, secure the box using the 2 screws on either side of the box to clamp the paddles onto the mounting surface (see Figure 1). For surfaces larger than 18mm, trim the paddle as show in Figure 2 (max. ceiling thickness is 25mm)
- Wire mains power cable, 240V 50Hz, to terminals marked L, N & ⏚ (and DALI Cable to terminals marked Da Da as applicable)
- Cable tie wires to rib feature to ensure cable do not come loose.

BLADE INSTALLATION

- Connect Blade Loom into EM Driver (8way connector)
- Attach blade by inserting into the slots then sliding the blade across (Note: one of the side extrusions must be removed before attaching blade, see Figure 3)
- Ensure correct decal is installed into product, if not, slide out default decal and replace with correct version (see Figure 4)
- Attach side extrusion to lock both blade and decal into place.
- If the CTP capabilities are activated, please affix the CTP status label to a visible surface and Four Segment Marking on the product will include an ‘‘F’’ in third segment block.

Battery Replacement:

1. Prior to any work, isolate the power to the luminaire that requires battery replacement.
2. Remove Side extrusion (see Figure 5)
3. Using a flat screwdriver, insert screwdriver (see Figure 6) and rotate away from the wall to disengage clip.
4. Disconnect blade from the EM Driver to gain full access into recessed box.
5. Disconnect battery from EM Driver and remove from battery clip.
6. Replace battery and connect to Emergency Driver.
7. Reinstall the blade connector and blade.
8. Replace the side extrusion

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 Exit Lamps illuminate in normal conditions as well as during power fail. The Escape Lamps (for -ESC products only) only illuminate during a power fail. Conduct the following tests:

- The Exit Lamps & Escape Lamps must illuminate for at least 120 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 or switch Off Mains Supply, check that the Exit Lamps & Escape Lamps is **ON**.
- Release the Test Button or switch On Mains Supply, check that the Exit Lamps are **ON** & Escape Lamps are **OFF** (Non-maintained operation).

Installation/Maintenance Images:

BOX INSTALLATION

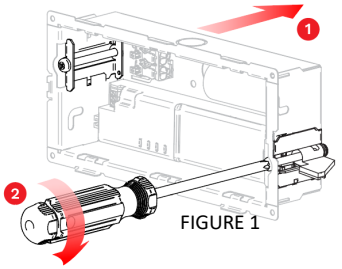


FIGURE 1

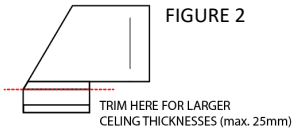


FIGURE 2

BLADE INSTALLATION

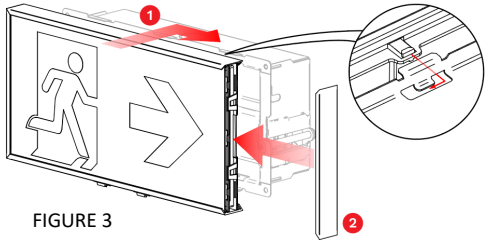


FIGURE 3

DECAL REPLACEMENT

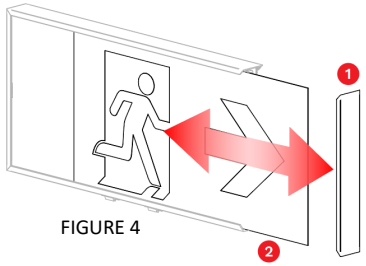


FIGURE 4

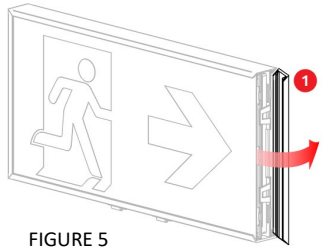


FIGURE 5

BLADE REMOVAL

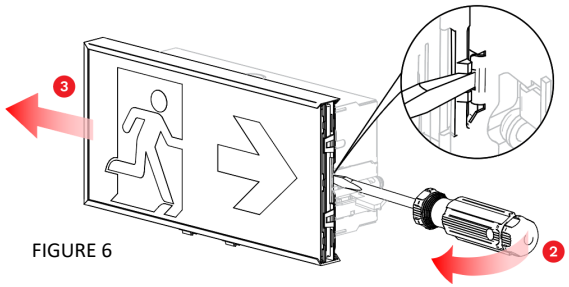


FIGURE 6

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.
Blade loom is connected to Driver correctly.

Fault: **Lamp(s) does not illuminate in emergency mode.**
Check: A.C. is connected.
Lamp is correctly inserted.
Battery is connected.

Fault: **Lamp(s) 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.