Clevertest Plus

Clevertest products must be "activated" before self-test functionality will operate. Refer to supplementary operation guide supplied with the Product or linked via QR code on packaging for details.

After Power ON, the Status LED on a Clevertest Plus enabled fitting will display a rapid Green or Red flashing for a period up to 2 minutes

The front cover will require removal to gain access to the Test/Status Switch and LED.

Maintained fittings ((LLIFE**M**-PRO-WP—ss-xx-IPREM-yy-uu)) cannot be scanned with a camera using the CleverSparky App as the maintained light source interferes with the camera scanning function. To register the fitting manually enter the serial number from the QR code and visually read the test result and enter manually into CleverSparky.

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:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HVG	Un-commissioned With network connectivity	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
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
ZW, DATA	Emergency Light Test In Progress	LED flashes at yellow 5s , 0ff 1s
HVG	Emergency Light Test In Progress	LED flashes at yellow 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)

DALI 2 EM Option

Luminaires with part numbers having -D2 are fitted with DALI 2 certified modules (nodes) that facilitate connection and integration to 3rd Party Lighting Control Systems. Before installing the fitting please confirm that the Lighting Control System has the capability to monitor DALI Emergency Luminaires. The fitting will be addressed and configured into the control system by the Lighting Control System Commissioning Technicians and not Clevertronics
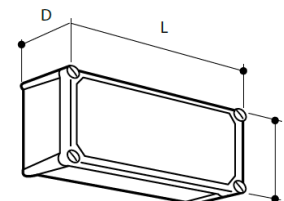
State	LED Operation
Commissioned/ Un-commissioned	LED on Solid (Green)
Emergency Light Test in progress	LED flashes at 1s On (Yellow) & 1s Off
"IDENTIFY COMMAND"	Lamp and Status LED Flash for 30 seconds

A 2-way "figure 8" cable and terminal block facilitates the connection to the DALI network OR a 5/6way "structured wiring system" lead and plug facilitating the power and DALI connection. DALI connections are marked as Da Da.

LLIFE-PRO-WP-IPREM
Remote Mount Weatherproof Emergency Luminaire
Installation & Maintenance Instruction Leaflet

Remote Control Gear

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: LLIFEz-PRO-WP-ss-xx-IPREMw-yy-uu

Testing:		Options:	
Manual Test	xx = Blank	Non-Maintained	z=Blank
Zoneworks	xx = ZW	Maintained	z=M
Z/W DATA	xx = DATA	Tamperproof	yy=TP
Zoneworks HIVE	xx = HV/HVG	Custom Option	uu
DALI Registered.	xx = DALI	Vent	ss
DALI-2	Xx = D2	TBCG	w

Spare Parts:

1530230	Replacement Battery
1100697	Replacement Emergency LED Board
1100702	Replacement Emergency LED Board (Black)
AUM01370120001	Replacement Emergency Driver
AUM01370230001	Replacement Emergency Driver Maintained
AUM01870550001	Replacement Emergency Drive (REMTBCG)
AUM01370670001	Replacement Emergency Driver Maintained (REMTBCG)

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.
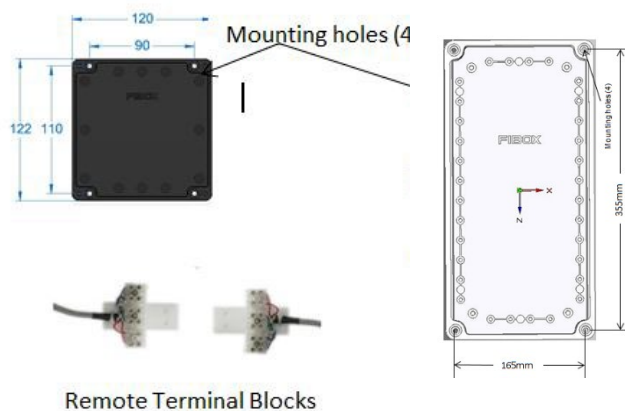
Installation:

This LLIFE-PRO Surface mount Weatherproof Emergency Luminaire can be installed on any solid or T-BAR ceilings or used to replace an existing unit.

- Locate the installation position for each enclosure.
- Remove the enclosure covers.
- Pre-drill mounting holes per diagram below.
- Drill a hole in each enclosure to suit the cable gland or conduit to be used for LED cable entry.
- Drill a suitable hole in the Control Gear enclosure for power entry.
- Use suitable fixings to fasten each enclosure to the mounting surface.
- Route the interconnecting cable between the Control Gear and the LED lamp. For distances over 2 metres, an appropriate fire rated cable must be used.
- Connect the LED interconnect cable to the terminal block inside each enclosure. Be sure to match the colour code between the two terminal blocks.
- Connect the LED cable and battery to the control gear inside the control gear enclosure.
- Connect the power to the mains.
- Screw the covers to the enclosure bases
- 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.
- Apply power and test the fitting.
- **(Applicable to -VENT products only)** If the products are installed in a Wall Mounted fashion, please ensure that the Pressure Equalization Vents are facing downwards, upon product installation.

Networking:

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

Dimensions:

Remote Terminal Blocks

Testing:

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 failure. Conduct the following tests:

- During the first commissioning test the emergency lamp must illuminate for at least 2 hours after disconnection from the main supply. 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 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 emergency lamp is On.
- Release the Test Button or Switch on Mains Supply, check that the emergency lamp is Off (Non-maintained 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.

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.

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/