Clevertest and 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 up to 2 minutes.

Zoneworks, HIVE and DATA Monitored Options

Fittings with part numbers -ZW, -HV, -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, DATA	Commissioned	LED on Solid (Green)
ZW, DATA	Un-commissioned	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HV	Un-commissioned With network connectivity	**Batt plugged-in:** yellow 1s, green 1s
		Batt unplugged: red 1s, off 1s
HV	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
HV	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 EM Option

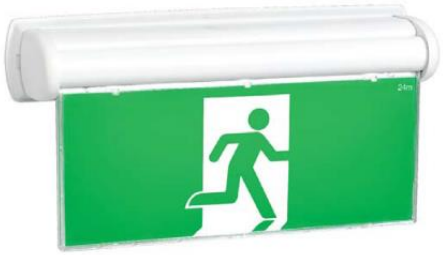
Swingblades with part numbers containing -DALI are fitted with DALI modules (nodes) that facilitate connection and integration to 3rd Party Lighting Control Systems. Before installing the -DALI fitting please confirm that the Lighting Control System has the capability to monitor DALI Emergency Luminaires. 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”	Fitting goes into emergency mode for 10 seconds

A 2-way “figure 8” cable and terminal block facilitates the connection to the DALI network. DALI connections are marked as Da Da.

LP™ Swingblade LED

Installation & Maintenance Instruction Leaflet



Swingblade® in wall mounted configuration

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Designed in Australia to comply with the requirements of AS2293.3: 2005 and AS/NZS CISPR15: 2017
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:

CSBLED-yy-xx-ss-ww-zz-vv

CCSBLED-yy-xx-ss-ww-zz-vv (Classic blade option)

Testing:		Options:		-TH Decal Options:	
Manual Test	xx = Blank	Special Legend	ss = SP	Running Man	zz=R
Zoneworks	xx = ZW	4 Hour runtime	ww = 4HR	Running Man Left Arrow	zz=RL
Z/W DATA	xx = DATA	Fire Panel Snd Control	ww = SND-24V	Running Man Right Arrow	zz=RR
Zoneworks HIVE	xx = HV	Custom Colour	vv	Double sided R/M	zz=DS-R
DALI	xx = DALI	Zoneworks Snd Control	ww = SND	Double sided R/M Arrow	zz=DS-RAOW
	DALI	Theatre	yy = TH		
Clevertest	xx = CT				

(NOTE: -CT Products supplied with the Clevertest Plus Symbol are activated with Clevertest PLUS capability. Please refer to the operation guide supplied with the product for details).

Spare Parts:

1550070	BATT: LP 3.2V 3200mAh 200mm lead, sp.BRKT
1550235	BATT: LP -4HR 3.2V 6400mAh.200mm lead.Brkt
8003212	PCA: CT10164-L6 6C83 CTP AU
8003211	PCA: CT10164-L6 6C83 DALI Reg **(-DALI and -HV Versions)**
8003210	PCA: CSBLED-TH CT10164-L6 6C20 **(-DALI, -HV Theatre Versions)**
8002185	PCA: Swingblade Duris LED Strip

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.

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Installation:

The Swingblade LED Exit is a surface mount (wall or ceiling) fitting. The CSBLED can be attached directly to any solid surface, or to a ceiling tile using the integrated mounting bracket. Please follow the steps below to install the CSBLED Exit:

- Remove the mounting bracket from the fitting.
- Using the bracket as a guide, mark 2 holes for mounting screws. Then install the bracket.
- Connect the 240VAC supply.
- Insert the CSBLED body into the bracket and slide to lock into position.
- 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.

NOTE: If product is suspended below the ceiling or mounted on a metal surface the Swingblade bracket cover plate accessory (S/N:2740100) is required to cover the mains terminals.

Dimensions:

Swingblade® in wall mounted configuration

Changing Diffuser Decals: (Not applicable to CCSBLED and –TH options)

The Swingblade Exit uses Clevertronics patented “Tamper proof” Exit legend cover and comes complete with spare legend inserts to enable straight on, left or right arrow as well as SS/DS combinations.

The tamper proof cover is held in place by 3 locking tabs recessed in the top edge of the diffuser. Use a tool to disengage and push the locking tabs through to release the cover and remove the insert, replacing it with the desired one.

To re-install the clear cover, first engage the three small lugs on the bottom of the cover into the respective recesses in the diffuser. Once you are sure the lugs are located, carefully push the 3 locking tabs back in to complete the process.

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 (4 for the -4HR) hours after disconnection from the mains supply.
- Subsequent tests require the unit to illuminate for at least 90 minutes (4 hours for -4HR). 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.

Swingblade Maintenance:

Battery/Lamp Replacement:

- Prise off the plastic end caps from ends using a terminal screwdriver.
- Disconnect the lamp lead from the PCB and slide out the LED light bar.
- Reinsert new LED light bar, reconnect the lamp lead and replace the plastic end cap.
- Remove the central screw connecting the two earth leads to the earth bar. This screw holds the equipment tray in place.
- Slide the gear tray out from the test switch/light bar end, unplugging the AC connector once it is revealed.
- Unplug the battery lead then bend back the metal tabs securing the battery pack. Remove the battery and replace with the changeover battery pack.
- Re-assemble the fitting reversing the above procedure. It is important that the screw securing the two earth leads is re-installed and tightened correctly.

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 (refer to spacing tables for installation positions):

Refer to the Technical Label for classification information. (Not applicable for -SP or -TH fittings.)

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/