

TEK° (i) User Instructions

EM-BL3ST LED Emergency Exit Box

BLADE

c/w Self-test Function











Please read these instructions and retain them for future reference.

Important information:

It is recommended that this fitting is installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control.

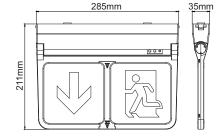
- This product is designed for connection to a 220-240V mains supply.
- This product is for indoor use only.
- We cannot accept responsibility for any claims arising from a poor installation.
- Always switch off mains supply before installation.
- The light fitting is Class II and does not require an earth connection.

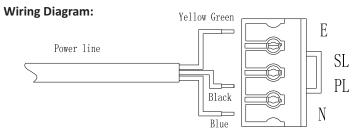
Technical Specifications:

- Input Voltage: 220-240V/AC
- Power: 2.5W
- Light Output: 45Lm(charging) 25Lm(discharging)
- Viewing Distance: 30m max.
- Test method: Self-test
- CCT: 6500K
- CRI > 80
- Battery: LiFePO4 3.2V 1000mAh

- . Charge Time ≥ 24h
- Duration > 180min
- IP Rating: IP20
- Protection Class: Class II
- · Housing: PC Body & Diffuser
- Wall Mounting
- Operating Temp.: -15°C to +40°C
- Easy Rotating PVC Legends included
- Warranty: 3 years (excluding battery)

Dimensions:

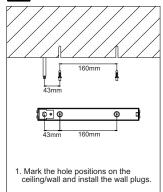




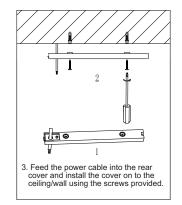


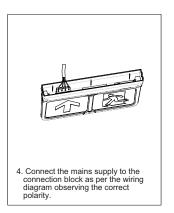
Installation Instructions:

Switch off the mains supply before installation.

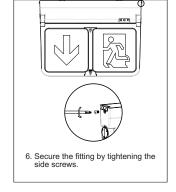




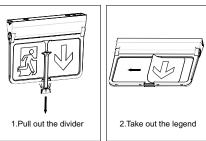


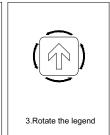


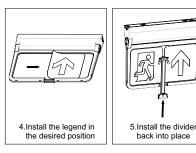




Replacing the legend:







Emergency Testing and Battery Maintenance:

- Initial battery charge must be for a minimum of 24 hours before testing.
- To achieve best performance the EM-BL3ST should be tested fully by switching into emergency mode regularly in accordance with local testing regulations. Any warranty claim must be accompanied by documentation which records the dates of this maintenance procedure and signed by maintenance personnel.
- · When first connecting to AC power check if the Green LED light is lit confirming that the battery is charging.
- Turn the power off to simulate mains supply failure. The Green LED should go off & the exit box will be in emergency mode.
- The battery must be replaced when the unit no longer meets the rated emergency duration or if there is a battery fault.

Self Test Function:

- Monthly inspection: The system simulates a power outage every 30 days for 10 seconds. It will quit and return to the mains power state automatically if there is no fault.
- · Annual inspection: The system simulates a power outage every 360 days and for 3 hours or until the battery power is dissipated. It will guit and return to the mains power state automatically if there is no fault.

Self Test Switch Function:

- · Monthly Test: Hold the test button for 3 seconds until you hear 2 beeps. The system simulates a power outage for 10 seconds. It will quit and return to the mains power state automatically if there is no fault.
- Full test: Hold the test button for 6 seconds until you hear 3 beeps. The system simulates a power outage for 3 hours or until the battery power is dissipated. It will guit and return to the mains power state automatically if there is no fault.

MODE	METHOD	IF	LED INDICATOR STATUS	BEEP SOUND
	No action needed	Battery OK	Green (permanently on)	OFF
Mains ON	No action needed	Battery Fault	Red (Flashes every 1 second)	Beep every 45 seconds
	No action needed	LED Fault	Amber (Flashes every 1 second)	Beep every 45 seconds
Monthly self test	Monthly test mode:	Battery OK	All indicators OFF	OFF
battery discharge (discharge time 10 seconds)	Hold test button for 3 seconds, 2 beeps	Battery Fault	Red (Flashes every 1 second)	Beep every 45 seconds
To seconds)	z beeps	LED Fault	Amber (Flashes every 1 second)	Beep every 45 seconds
Yearly self test	Yearly test mode:	Battery OK	All indicators OFF	OFF
battery discharge (discharge time 3 hours)	Hold test button for 6 seconds, 3 beeps	Battery Fault	Red (Flashes every 1 second)	Beep every 45 seconds
3 Hoursy	3 реерз	LED Fault	Amber (Flashes every 1 second)	Beep every 45 seconds
Mains Failure	No action needed Exit Box enters 3 hour emergency mode	LED Fault	All indicators OFF	OFF

Notes:

- To turn off emergency mode (when mains failure occurs) press the test button for 10 seconds If the battery and LED board fail simultaneously, the red LED will flash.
- Any beep sound will stop once the fault is fixed.
- After repair connect the exit box to mains. Press the test button within 1 second for function confirmation.

 Manual test will not affect the monthly and yearly test schedule.

Troubleshooting:

Most failures experienced are not due to the EMAB3ST itself and are caused by improper installation or connection of the unit. Please check that:

- · Wires are properly clamped into terminals.
- Installation is done according to the wiring diagram.
- Proper polarities are observed.

Keep a record of maintenance and maintain the emergency pack and LED lamp regularly. Check regularly to ensure its lifespan and usage.

Luminaire Ref/Location	ocation	1	In Case o	of difficulty	In Case of difficulty, contact the Installation Engineer:	nstallation	Engineer:	1		1 1 1 1 1 1
Full Reci	Full Recharge Time 24 Hours	Hours		Durati	Duration 3 Hours			Lamp Type - LED	oe - LED	
				ROUTINE	ROUTINE TEST RECORD					
	Year 1	1	Year 2	2	Year 3	3	Year 4		Year 5	
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
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Three Hour										