



ARROW UP: HSEM/LEDEB-ST
ARROW DOWN: HSEM/LEDEBD-ST

**RHINE UNIVERSAL EXIT BOX
WITH SELF TEST**

MAIN FEATURES:

- 3 hour emergency time
- Maintained/Non-Maintained switchable
- Can be non-maintained by removing the wire link
- Metal casing
- Manual test button
- Screen printed legend included (different directions sold separately).
- 2x20mm conduit entry
- 3 year guarantee

This instruction leaflet contains important information on the correct installation and operation of your fitting. Read this leaflet fully before attempting installation and retain for future reference.

The exit box complies to IEC60598-2-22 and IEC62034.

SPECIFICATION

Wattage:	2.5w
Wattage (emergency mode):	1.5w
Lumen:	35lm
Lumen (emergency mode):	17lm
Input Power:	AC 220V-240V 50Hz / 60Hz
Light source:	6 pcs SMD 5730 LED
Battery (LiFePo4):	3.2V 1.6Ah
Battery Life:	Up to 4 years
Battery protection:	Overcharging and over discharge protection
Charging time	24 Hours
Minimum emergency duration:	3 Hours
IP Rating:	IP20
Warranty	3 years

MAINTAINED/NON- MAINTAINED

User can turn the S2 to the "ON" side when they want the lamp to stay on maintained-mode. Switch the S2 to "1" side will make the lamp run in Non-maintained-mode.

INDICATOR

- When AC power is on, red indicator on, the battery is charging.
- When the battery is fully charged, the indicator will turn to green.
- When AC power off, the indicator will turn off.

MANUAL TEST

Press the "test button" for 1 second, the system will begin "manual test" for 5s, during this time, the green indicator will show a "1HZ blink".

AUTO-TEST

The self-test exit box will perform its own monthly and annual test upon mains power installation, in order to reduce maintenance costs.

The model HSEM/LEDB-ST and HSEM/LEDEBD-ST also have an auto-test function. The operation and statuses are shown as below.

Monthly:	2 minute "function" test.
Annually:	3 hour "function" test.

AC POWER ON (CHARGING)

Orange indicator shows a 1HZ blink	Battery Fault: <ul style="list-style-type: none"> • Check if the battery is not connected properly. • Check if the battery wire is broken. • Check if the battery voltage is lower than normal
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BATTERY MUST BE CHARGED FOR 24 HOURS PRIOR TO DURATION TEST.

MANUAL TEST & SIMULATE AUTO TEST

Press the TEST switch for 1 second	The system will begin "manual test" for 5s, during this time, the green indicator will show a "1HZ blink".
Press the TEST switch for 3 seconds	The system will begin "functional test" for 2 mins, during this time, the green indicator will show a "3HZ blink".
Press the TEST switch for 5 seconds	The system will begin "duration test" during this time, the green indicator will show a "5HZ blink".

AC POWER OFF (DURATION OR TEST-MODE)	
Orange indicator remains on	"lack of battery capacity", user needs to make sure the battery has charged for 24hrs.
Orange indicator shows a 3HZ blink	"LED fault", user needs to make sure the LED lamp is connected well, or has not been broken by other reasons.

WARNING

1. Disconnect the AC power during installation.
2. This product should not be installed in places such as outdoors, humid environments and chemically polluted air.
3. This product should have a permanent "live" supply that cannot be switched off accidentally.
4. To ensure the product is operating normally, it should be checked regularly.
5. The products have been discharged before leaving the factory. So it needs to be charged 24 hours when used.
6. If the product is in storage or not used for a long time, it should be charged and discharged once every three months, in order to protect the battery performance.
7. Please keep this manual for future reference.
8. See reverse for maintenance record.

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This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

INSTALLATION AND MAINTENANCE RECORD

INSTALLER: _____

INSTALLATION: _____

TYPE: _____

INSTALLATION TEST DURATION & DATE: _____

MONTH	TEST	1 ST YEAR		2 ND YEAR		3 RD YEAR		4 TH YEAR		5 TH YEAR	
		SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE
1	SHORT										
2	SHORT										
3	SHORT										
4	SHORT										
5	SHORT										
6	1 HR										
7	SHORT										
8	SHORT										
9	SHORT										
10	SHORT										
11	SHORT										
12	1 HR										
	3 HR										