

CHANNEL

SAFETY SYSTEMS

Razor™



LED emergency exit signage from Channel Safety Systems

CHANNEL SAFETY SYSTEMS

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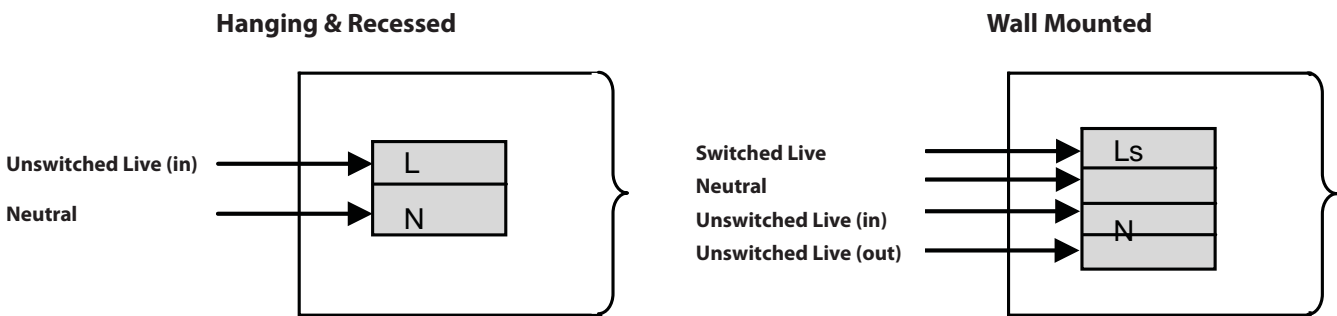
w: www.channelsafety.co.uk

INSTRUCTION MANUAL

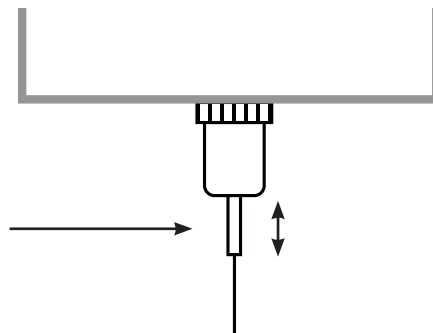
INSTALLATION

All Installations should be carried out by a competent electrician.

1. Remove the cover on the base.
 - On the hanging range/recessed the cover is held on by screws.
 - On the wall mounted unit the cover is held on by 4 recessed lugs
2. Fix base to wall or ceiling using appropriate fixing method
3. **ISOLATE THE A.C. SUPPLY** and connect unit. An unswitched 240 V A.C. supply must be connected as per the following diagrams.



4. Fit battery plug onto the two protruding metal pins on edge of PCB. Then, replace and secure cover.
5. On hanging signs the length of each hanging wire can be adjusted.



6. Operational Check - Restore the A.C. supply for 30 minutes and then isolate. The LEDs should illuminate for at least 10 seconds.
7. Restore the A.C. supply and check that the charge indicator LED is 'on'.
8. See last page for dimension diagram.

OPERATION

The Razor range operates in the maintained mode. The wall mounting unit has the option of non-maintained operation.

Maintained

Emergency LED's normally on, when the supply to L is applied. The battery is on automatic charge (Charge LED 'on'). LED's will switch on or remain on if A.C. supply is interrupted.

Non-Maintained (Wall Mounted Unit Only)

Switched live not connected. LED's normally off and battery on automatic charge (Charge LED 'on') when A.C. supply is healthy. Solid state circuitry automatically switches LED's on when A.C. supply is interrupted.

Test Button

Press the test button for 5 seconds. The green charge LED will extinguish and the main LED's will illuminate. Release the button to restore the mains supply

Monitoring

Green indicator LED (Charge LED) normally continuously 'on'. Indicator LED goes out if A.C. supply or charger fails.

Battery

Sealed Nickel - Cadmium rechargeable battery pack.

Temperature

Performance figures measured at 25°C

Fault Finding And Corrective Action

Monitoring Led Not Illuminated

A.C. supply not healthy. Battery not connected. Charger failed.

Unit Not Meeting Required Emergency Period

May need cycling: Discharge then recharge for 24 hours. Re-test, battery pack may need replacing if emergency duration still not met.

TESTING

Recommended Routine Test Procedure

The following test is designed to ensure the continued protection of your premises and occupants. Because of the possibility of a failure of the normal lighting supply occurring shortly after a period of testing, all tests should, whenever possible, be undertaken at times of least risk, e.g. during daylight hours.

Once A Day

Visual inspection of battery charge led.

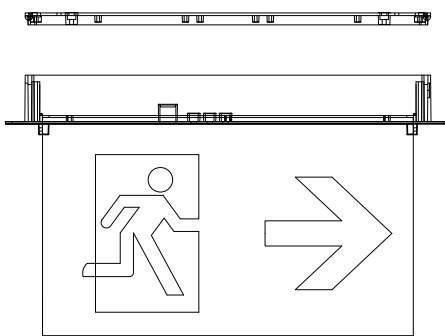
Once A Month

Each unit should be energised from it's battery for adequate time to ensure, by simulation of a failure of the normal lighting supply, the emergency mode is functioning correctly.

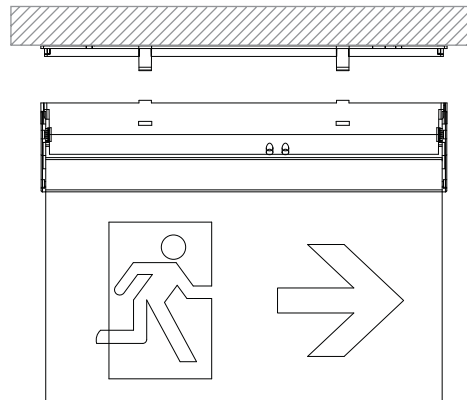
Once Each Year

All units should be placed into emergency mode and checked that the duration provided by the battery meets the specified time period.

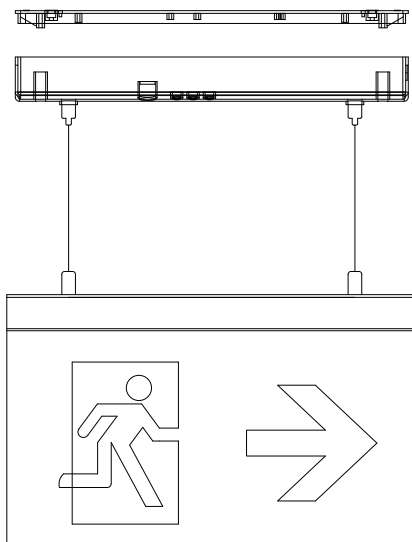
E/RZ/M3/LED/F



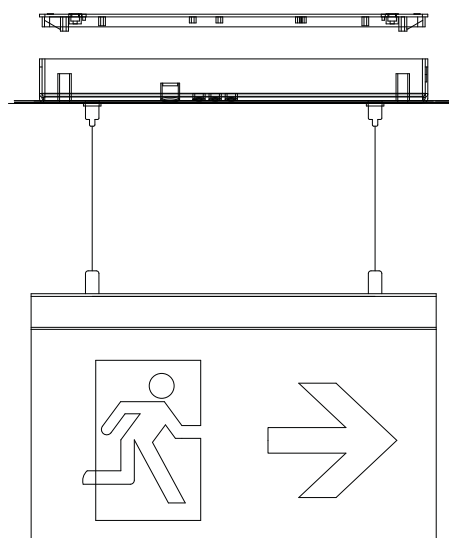
E/RZ/M3/LED/W



E/RZ/M3/LED/H



E/RZ/M3/LED/R



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