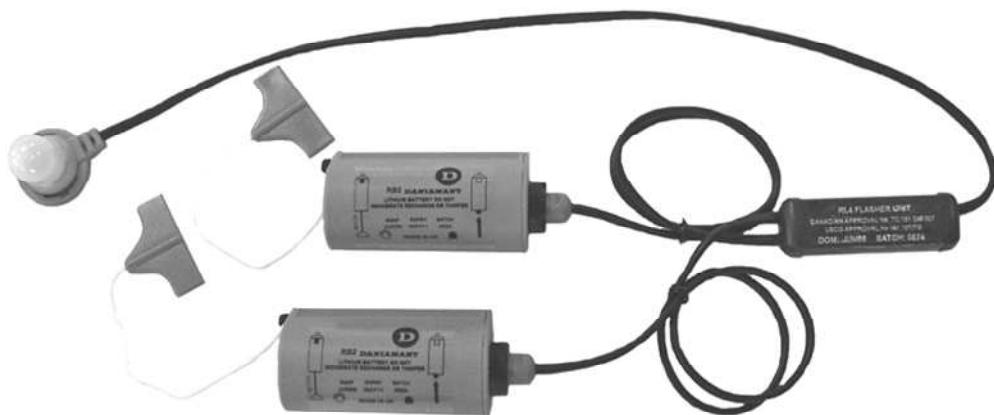




DANIAMANT

RL4 Liferaft light & RB2 Battery pack also applies to RL4 (RFD/DSB) & RB2 (RFD/DSB)

Installation and Maintenance Instructions



Description

- RL4** The RL4 is a high intensity flashing light for mounting externally on liferafts. The unit is fully sealed and watertight, and comprises a plastic dome, incandescent lamp and electronic circuit. Two cables with moulded plugs are provided to connect to the sockets of two RB2 battery packs. The lamp is a 9mm halogen-filled E10/14 fitting, type 58-1001 (779-D47-0002). The dome is sealed by a neoprene 'O' ring.
- RB2** Each battery pack comprises a single lithium cell in a sealed moulded housing including a switch; this permits both automatic and manual operation. The battery is protected against damaging currents and short circuits by a fuse. Operational life is 12 hours minimum.

Daniamant Limited

Unit 3, The Admiral Park, Airport Service Road, Portsmouth, UK PO3 5RQ

+44 (0)23 9267 5100

www.daniamant.com

58-7015-PAT Issue 9 (C6218)

Installation

Light The base of the RL4 has two fixing slots. The unit can be attached to the raft by:
Being stitched to raft fabric, then mounted by adhesive at the apex of the canopy.
By a fixing plate, as shown in the attached drawing.
Battery leads should be stitched into a seam during raft manufacture. The lead length is configured to suit the raft requirements.

Battery Two battery packs are required as the power source for one flashing light. Note: the battery packs are connected in series through the electronics unit. The batteries are installed in a pocket or restrained by elastic straps under the raft canopy, where they are easily visible for manual operation. Battery packs must be installed at least 50mm apart to prevent magnetic interaction. If the instructions on the battery label are obscured, they should be repeated elsewhere on the raft. For automatic operation both pull toggles should be fixed by their cords to the side of the raft opposite the batteries so that they are pulled out when the raft inflates.

Operation

When installed for automatic operation, the light will illuminate and flash when the raft is inflated. Slide switches on the sides of the battery packs may be pressed down and up to turn the light on or off; both switches must be on for the lamp to operate. This permits manual operation of the lamp, as often as necessary.

Maintenance

Routine service and battery change

RL4 and RB2 units are maintenance free, but the following checks should be made at each service of the liferaft:

1. Check date on battery pack. Battery packs must be replaced not more than 5 years after date of manufacture; consequently, if the battery expiry date is earlier than the next liferaft service then the battery should be replaced (Standard replacement part 71-C200).
2. Inspect light and batteries for signs of damage or corrosion. Lightly grease battery connector 'O' ring with silicone grease and replace connector. If damage or corrosion visible the unit is to be replaced.
3. Remove pull toggles from RB2 battery packs – light should illuminate and flash immediately. If light fails to operate, go to step 4. If light operates, replace toggles in battery packs; test is complete.
4. If light fails to operate, replace battery packs with checked units and retest from step 3. If light continues to malfunction, replace light and cable assembly with a checked unit.

After use

Both battery packs, light and cable assembly must be changed after use.

Battery disposal

Dispose of used batteries in accordance with local regulations. This should be done through an approved environmental disposal agent.

Safety

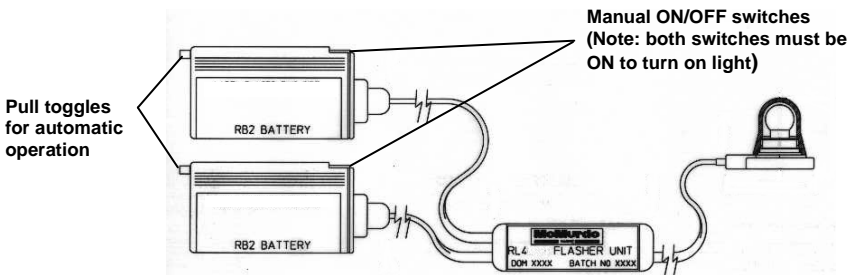
RB2 battery packs contain a Lithium cell. This must be handled correctly:

- Do not dismantle light assembly housing
- Do not make any external electrical connection
- Do not recharge
- Do not incinerate
- Store between -30°C and $+65^{\circ}\text{C}$

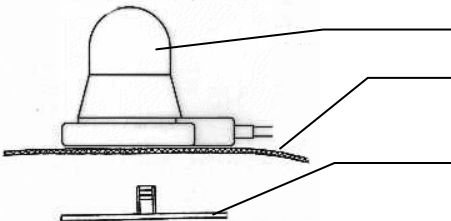
Health and Safety information

Daniamant lithium-powered marine safety light systems have a design life of 5 years. The batteries are hermetically sealed pressurised primary Lithium/Sulphur Dioxide cells, and as supplied are electrically protected by diodes and a fuse, and are environmentally protected by a moulded plastic housing. In this condition the units pose no definable hazard to health.

Information on the composition and behaviour of these products is contained in the Material Safety Data Sheet, available on our website. (www.daniamant.com) or on request.



Light and battery pack



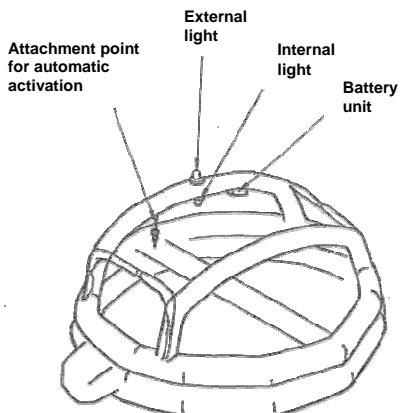
Method of attaching light

Lamp holder

Liferaft material

Fixing plate

The fixing plate is a flat disc with protruding tabs on one face which clip into the base of the lamp holder. The fixing plate requires two holes 6mm diameter at 30mm centres I the liferaft material to provide clearance for the clip tabs. Suitable for fixing to material of maximum thickness 3mm



Suggested attachment points to liferaft
(alternative positions may be used)

This page contains no other data

Further copies of this installation and maintenance instructions are available to download from
our website **www.daniamant.com**
A copy of these instructions must be held with the ships/owners training manual.