

GENERAL DESCRIPTION

This device is a conventional beacon that mounts on the LAB1000 low profile base (also used for the Altair series addressable detector range). This beacon is designed to flash every 2 seconds (0.5 Hz).

IMPORTANT GUIDELINES

Apply the guidelines below:

- be sure to install the beacon according to local standards and regulations;
- this product is designed for indoor use only;
- beacon should only be installed in environments where ambient temperature and humidity fall into the ranges specified in the TECHNICAL SPECIFICATIONS table;
- only install in suitable environments, avoiding:
 - situations in which condensation exists;
 - situations in which corrosive gases exist;
 - situations in which obstacles exist, which could impede visual indication of the beacon;
 - hazardous areas;
- connect the adaptor base according to the scheme provided by this manual;
- constructor recommends that the minimum period of maintenance should be 1 year and that the following should be taken into account:
 - a regular operation test should be performed;
 - a visual check for contamination and mechanical damage should be made.

TECHNICAL SPECIFICATIONS

Power supply range	from 15 V to 40 V	
Current draw in activated state	10 mA	at 24 V
Power consumption in activated state	240 mW	at 24 V
Installation location	Ceiling	
Maximum allowed height from ground	3 m	as certified per EN 54-23
Horizontal coverage diameter	7.5 m	at 3 m from the ground as certified per EN 54-23
Coverage volume	132 m ³	at 3 m from the ground as certified per EN 54-23
Category rating	C-3-7.5	as certified per EN 54-23
Flash rate	0.5Hz	1 flash every 2 seconds
Flash color	White	
Temperature range	-30 °C to +70 °C	
Max humidity	85% RH	no condensation
IP	21C	

WARNINGS AND LIMITATIONS

Our devices use high quality electronic components and plastic materials that are highly resistant to environmental deterioration. However, after 10 years of continuous operation, it is advisable to replace the devices in order to minimize the risk of reduced performance caused by external factors. Ensure that this device is only used with compatible control panels. Detection systems must be checked, serviced and maintained on a regular basis to confirm correct operation.

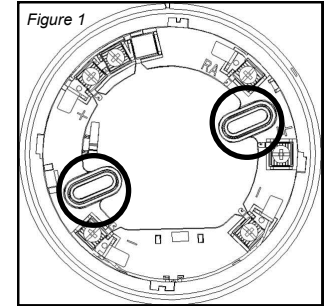
Smoke detectors may respond differently to various kinds of smoke particles, thus application advice should be sought for special risks. Detectors cannot respond correctly if barriers exist between them and the fire location and may be affected by special environmental conditions. Refer to and follow national codes of practice and other internationally recognized fire engineering standards. Appropriate risk assessment should be carried out initially to determine correct design criteria and updated periodically.

WARRANTY

All devices are supplied with the benefit of a limited 3 year warranty relating to faulty materials or manufacturing defects, effective from the production date indicated on each product. This warranty is invalidated by mechanical or electrical damage caused in the field by incorrect handling or usage. Product must be returned via your authorized supplier for repair or replacement together with full information on any problem identified. Full details on our warranty and product's returns policy can be obtained upon request.

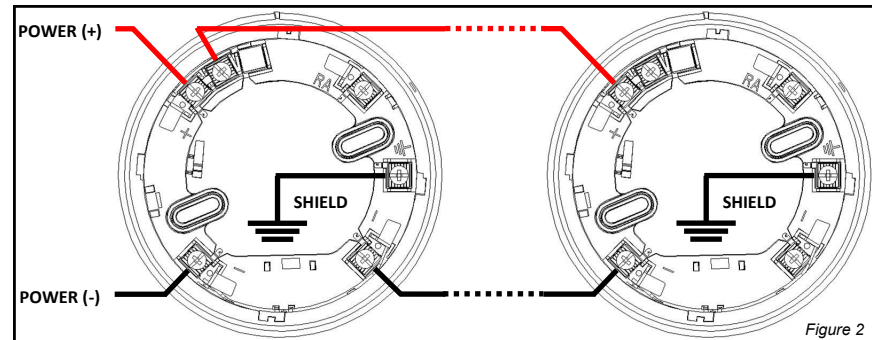
ADAPTOR BASE INSTALLATION

- 1) Select the position on the ceiling where you want to install the beacon.
- 2) Install the adaptor base in the selected ceiling position by inserting the screws in the circles indicated in figure 1.



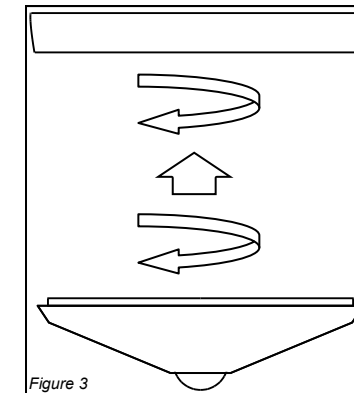
WIRING

The adaptor base has to be connected to a sounder / powered circuit and NOT to a zone.



BEACON PLACEMENT

- 1) Position the beacon centrally on its adaptor base ensuring it is level.
- 2) Rotate clockwise applying gentle pressure. The beacon will drop into its keyed location.
- 3) Continue to rotate clockwise a few degrees until the beacon has fully engaged in the adaptor base.
- 4) When the beacon is firmly engaged, check the alignment of the raised reference mark on the beacon and on the base (figure 4).



ANTI-TAMPER LOCK

The beacon should be locked to its base as a deterrent to intentional removal performed by non authorized personnel.
To do this tear off the little locking element from the internal border of the base and insert it in to its base recess as illustrated in figure 5.
To unlock the detector, insert the tip of a screwdriver into the side slot of the base by exerting only a light pressure (figure 4), and release the beacon by turning it anticlockwise.

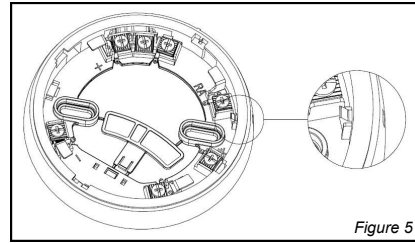


Figure 5

TESTING

In order to test the functionality of the installed conventional beacon, the following test must be performed: activate an alarm condition on the control panel: beacon's power supply line will be activated and, consequently, the beacon's outputs.
Check that the beacons operate and flash as expected.

After the test has been performed the control panel must be reset from its alarm condition.

If the test fails for one or more devices, check if mistakes were made during installation or panel's operation and correct them.

Test again.

If the beacon's functionality is hopeless send back the device to your distributor for repair or substitution.

We suggest to test all device's functionality after the installation has been completed.

MAINTENANCE

- Disable the fire security system in order to avoid unwanted fault warnings from the control panel.
- Remove the beacon from its base.
- Inspect the beacon at ground level and in good light.
- If the beacon shows any kind of impurity, clean up well its external surface with a clean, damp and lint-free cloth, especially the lens' visual output area.
- If the beacon shows cracks or breaks, especially in correspondence to the lens' visual output area, substitute it with a new one.
- Reinstall the beacon.
- Retest the beacon.

Avoid to paint over the beacon or inhibit in any other way the flashing output's intensity and area coverage.

Beacon must always be kept clean and in excellent conditions.



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Fire alarm devices - Visual Alarm Device (VAD)

CBE1002

For use in compatible fire detection and alarm system.
Intended for use in and around buildings.

Type A - for indoor use only

Category rating: C-3-7.5

Duration of operation: Pass
Provision for external conductors: Pass
Flammability of materials: Pass
Enclosure protection: Pass
Access: Pass
Manufacturer's adjustments: Pass
On-site adjustment of behaviour: Pass
Requirements for software controlled devices: Pass
Coverage volume: Pass
Variation of light output: Pass
Minimum and maximum light intensity: Pass
Light colour: White
Light temporal pattern / frequency of flashing: Pass / 0.5 Hz
Marking and data: Pass
Synchronization: Pass
Durability -
Temperature resistance: Pass
Humidity resistance: Pass
Shock and vibration resistance: Pass
Corrosion resistance: Pass
Electrical stability: Pass