TECHNICAL DATA SHEET

This Beacon incorporates 48 extra bright, long life, tri-colour LED's with 360° visibility, housed alongside two Piezo buzzers in one compact unit. It is available for 24vDC operation only.

The audible/visual modes may be used independently or combined in any required combination via PLC control or relays.

Note: The LEDs/Buzzers are only 'ON' when the Signal is HIGH.

Light Source LEDs			**Running Current**
GREEN	11.2	Effective Candela	250mA
AMBER	8.0	Effective Candela	250mA
RED	6.4	Effective Candela	250mA

Sounder

Frequency	3.1kHz +/- 500Hz	
Audibility	90 dBA +/- 3 @ 1metre	30mA

Information:

Operational Temperature Range: -20 to +55^{0}c
Enclosure Materials: UV stable Polycarbonate Lens. UV stable ABS Plastic Base
Suitable Applications: Industrial
Boxed Weight (including lens): 0.33kg

Cable Details

7mm maximum cable diameter.
Maximum 1.5mm^{2} (14 to 22 AWG) stranded core with 4mm cut back.

Optional Equipment

50007 Right Angled Wall Bracket: Use diameter 4mm fixings (not supplied).
50003 Cage Guard: Use diameter 5mm fixings (supplied).
Note: This guard cannot be used when the Beacon is fitted on the Right Angled Wall Bracket.

Spares

50022 - Spare Clear Lens Cover.
There are no other user serviceable parts in this unit.

Moflash part code S00618

MOFLASH SIGNALLING

INSTALLATION & TECHNICAL INFORMATION

PLEASE READ PRIOR TO INSTALLATION

LEDA125-01 Series - (LED Tri-Colour Beacon)

VISUAL & AUDIBLE COMBINATION SIGNALLING DEVICES

APPROVED AND CONFORMITIES RoHS CE

Website: www.moflash.com **Email: technical@moflash.co.uk**

INSTALLATION DATA SHEET

Remove the 3 x M3 screws and the base plate away from the body of the Beacon.
Pierce the cable grommet.
Insert supply/signal cable (maximum 7mm diameter) through the grommet,
pull back slightly (10mm) to allow the grommet to form a weatherproof seal over the cable.
Loop signal/power cable/s through the hole on the PCB as this will act as the strain relief,
See Image 1.
Connect signal/ power cable to the 6 Way Terminal Block. See Below:

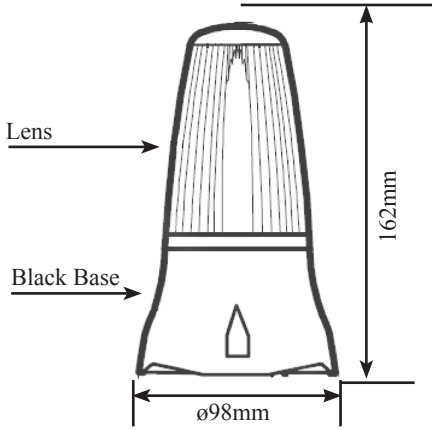
Terminal Block

No	Mode		
1	Power Input	+24v DC	
2	Return		0v
3	Signal - Sounder	+24v (high)	0v (low)
4	Signal - Green LED	+24v (high)	0v (low)
5	Signal - Red LED	+24v (high)	0v (low)
6	Signal - Amber LED	+24v (high)	0v (low)

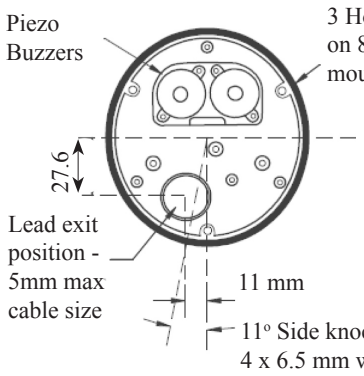
Replace base plate, ensuring the gasket is in place.
Re-secure the base plate with the 3 x M3 screws.

General Installation Notes

- The DC supply must be fully rectified and smoothed. If the supply is used to power other equipment, particulary inductive loads, additional suppression will be required. Typical suppression units would be RS 219-2921 or RS 240-696.
- Installation must be carried out in accordance with latest codes and regulations, by a qualified electrician.
- Ensure power source is disconnected prior to installation or maintenance to avoid electric shock.
- Do not handle internal electronic components whilst wiring up.
- Environmental exposure conditions during installation should be dry. Moist or wet conditions should be avoided.
- The lens material of the beacon is VO rated Polycarbonate UV stable plastic. Do not clean with petroleum based cleaners.
- The Beacon is weatherproof to IP65, but only when mounted with the lens uppermost i.e. above the black base.
- Use 3 in total, 4mm diameter fixings (not supplied) to secure Beacon to its mounting.
- Avoid mounting the Beacon where it will be subject to excessive vibration.

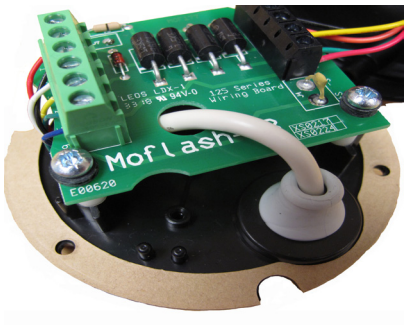


SIDE VIEW OF BEACON



EXTERNAL UNDERSIDE VIEW OF BASE

Image 1



Terminal Block (No 1 to 6)

INTERNAL VIEW OF BASE