TECHNICAL DATA SHEET

The beacon has 48 extra bright, long life, tri-colour LEDs with 360° visibility and 2 Piezo sounders housed in one compact unit. It is available for 24v dc operation only.

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

Note: The LEDs/Sounders are only 'ON' when the SIGNAL is HIGH.

Light Source LEDs			**Running Current**
GREEN	11.2	Effective Candela	250mA
AMBER	8.0	Effective Candela	350mA
RED	6.4	Effective Candela	250mA

Sounder

Frequency	3.1kHz +/- 500Hz	
Audibility	90 dBA +/- 3 @ 1Metre	20mA

Supply Requirements

1	Power Input +24v dc		
2	Return 0v		
3	Signal - Sounder	High +24v Low 0v	20mA
4	Signal - Green LED	High +24v Low 0v	10mA max
5	Signal - Amber LED	High +24v Low 0v	10mA max
6	Signal - Red LED	High +24v Low 0v	10mA max

Ingress Protection: IP65 (only if mounted vertically with lens above black base)
Operational Temperature Range: -20 to +45^{0}C
Enclosure Materials: UV stable Polycarbonate Lens. UV stable ABS Plastic Base
Suitable Applications: Industrial
Boxed Weight (including dome): 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 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

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

INSTALLATION DATA SHEET

Remove 3 x M3 screws and the base plate from the body.
Pierce the cable grommet.
Insert supply/signal cable (maximum 7mm diameter) through the grommet, pull back slightly (10mm), for the grommet to form a weatherproof seal.
Connect cable to terminal block.

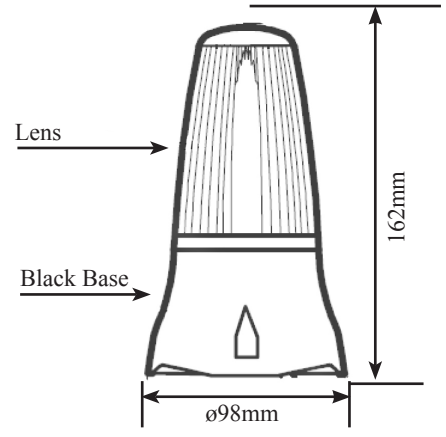
Terminal Block

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 - Amber LED	+24v (high)	0v (low)
6	Signal - Red LED	+24v (high)	0v (low)

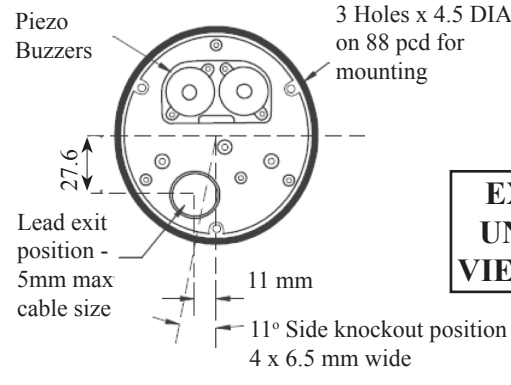
Secure the supply/signal cable to the base with the cable grip.
Replace base plate, ensuring the gasket is in place and aligned to the 'lead exit position'.
Secure with 3 x M3 screws.

General Installation Notes

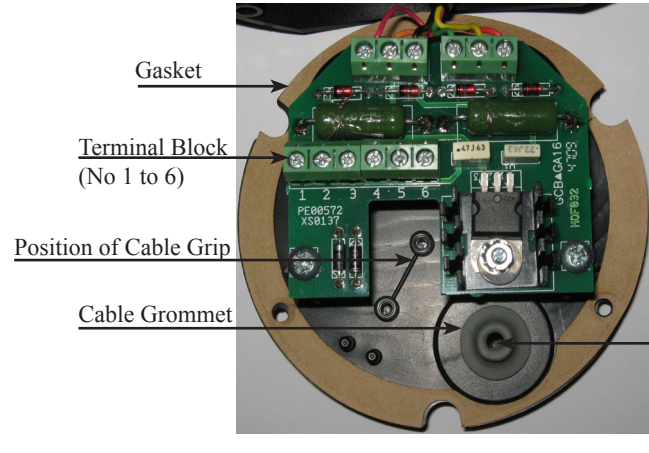
- **The DC supply must be fully rectified and smoothed. If the supply is used to power other equipment, particulary inductive loads, additional suppression will be required. Typical suppression units would be RS 219-2921 or RS 240-696.**
- Installation must be carried out, in accordance with latest codes 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 not moist or wet conditions.
- 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 only when mounted with the lens uppermost ie 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



INTERNAL VIEW OF BASE