



Technical Manual for the Beacon – XB13

Please note that every care has been taken to ensure the accuracy of our technical manual. We do not, however, accept responsibility for damage, loss or expense resulting from any error or omission. We reserve the right to make alterations in line with technical advances and industry standards.

1. INTRODUCTION

These beacon units have been designed for use in harsh environmental conditions. The xenon beacon design incorporates a GRP body, polycarbonate lens (both of which are UV stable) and stainless steel screws.

2. INSTALLATION

General

The beacon should be positioned using the two available fixing holes in the base. MEDC recommend that M6 stainless steel nuts and bolts be used to fix the unit to the mounting surface.

The beacon will operate in any attitude, from horizontal to vertical.

Cable Termination

CAUTION: Before removing the cover assembly, ensure that the power to the unit is isolated.

Remove the lens assembly by unscrewing the 3 fixing screws and pulling the cover gently away from the base.

A maximum of 3 x M20 cable entries are available via knockouts in the enclosure. Ensure that the knockouts are fully de-burred before installing the cable glands.

Cable termination should be in accordance with specifications applying to the application. MEDC recommend that all cables and cores should be fully identified.

Ensure that only the correct industrial glands are used and that the assembly is shrouded.

All cable glands should be of an equivalent NEMA/IP rating to that of the beacon.

In order to maintain the NEMA/IP rating of the beacon, the glands should be sealed to the beacon using a sealing washer or sealing compound.

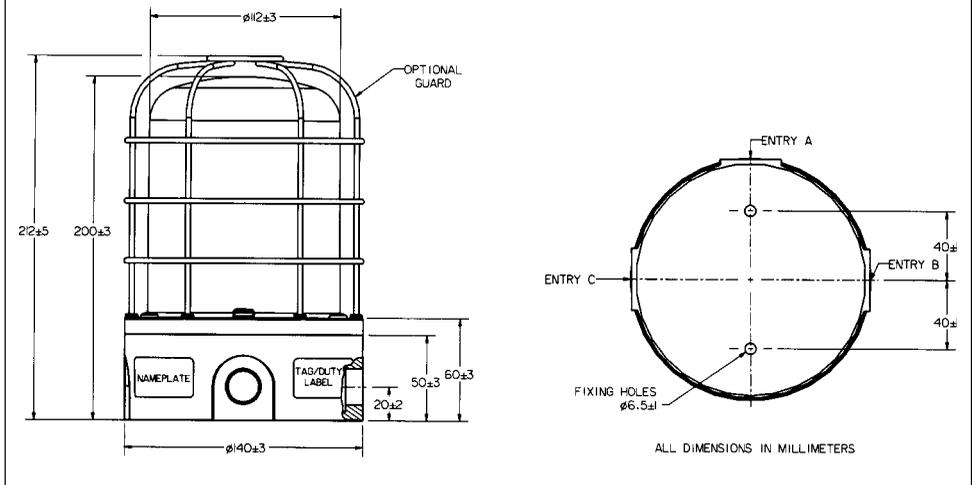
Replacing the cover is a reverse process of the above, but care should be taken to ensure that the seal is securely located in its groove during re-assembly.

3. OPERATION

The beacon can be powered directly or initiated by a telephone line if requested when ordered.

Dual flash operation can be selected by means of a jumper switch on the PCB. For single flash operation connect pins of conn 1 'S' with the jumper provided. For dual flash operation connect pins conn 2 'D' with the jumper provided.

GENERAL ARRANGEMENT .



4. MAINTENANCE

During the working life of the beacon, it should require little or no maintenance. However, if abnormal or unusual environmental conditions occur due to plant damage or accident etc., then visual inspection is recommended.

If a fault should occur, it is recommended that the unit be returned to MEDC for repair. All parts are replaceable.

If you have acquired a significant quantity of units, it is recommended that spares are also made available. Please discuss your requirements with the Technical Sales Engineers at MEDC.

5. OPERATING TEMPERATURE

-40°C to +55°C

-40°F to +131°F

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