

INTRINSICALLY SAFE MINERVA BASE (MUBEx) & ACCESSORIES

INSTALLATION & COMMISSIONING INSTRUCTIONS

1. INTRODUCTION

The M600Ex Series Detectors, as supplied, use a common Intrinsically Safe base MUBEx assembly.

Installation and commissioning of the M600Ex Series of detectors and base should only be carried out by competent personnel.

The base is classed as a simple apparatus, the detectors are certified:

ATEX code: II 1 G

Cenelec code: EEx ia IIC T5

under ATEX certificate number BAS10ATEX1134X

These detectors are designed and manufactured to protect against other hazards as defined in paragraph 1.2.7 of Annex II of the ATEX Directive 94/9/EC.

1.1 DETECTOR USE

It is recommended that the base and detectors are used in conjunction with a suitable isolator or shunt diode safety barrier in a certified Intrinsically Safe system, ie, System 601.

Guidance on mounting and wiring for an MUBEx base is given in the following paragraphs.

2. DETECTOR LOCATION

The location of each detector should have been determined at the system design stage in accordance with the site plan. The detector bases must be mounted in accordance with this

plan. If problems arise then reference to the system designer must be made.

The detector base does not need aligning as the detector LED is visible through 360°.

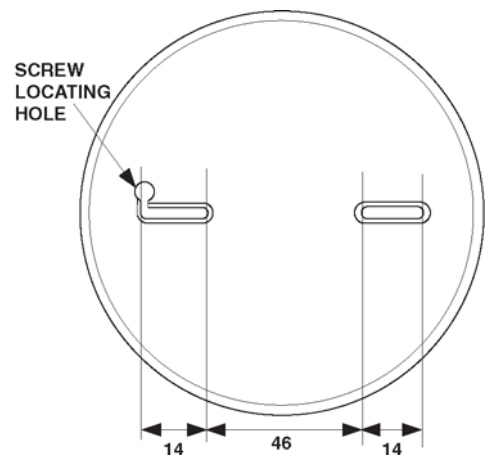
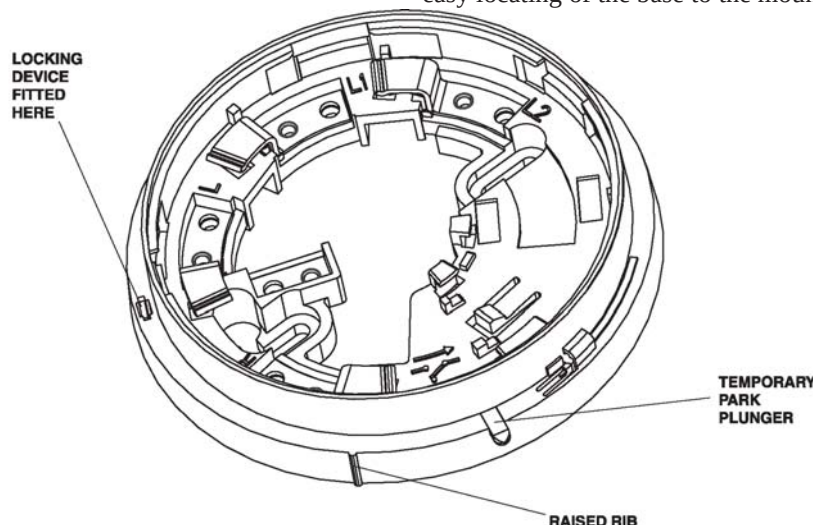


Fig. 1 Fixing Dimensions for Detector Base

3. FIXING THE DETECTOR BASE

3.1 TO A CONDUIT BOX

The detector base is to be secured directly to the conduit box with two M4 pan head steel screws, zinc plated and passivated. The fixing slot allows the mounting to be fitted to both B.E.S.A. conduit boxes having fitting points at 50mm centres and European conduit boxes with fitting points at 70mm centres. One of the fixing slots has an enlarged end, to allow a screw to be loosely placed in the conduit box, to allow easy locating of the base to the mounting holes.



THE FOLLOWING INFORMATION IS PRINTED ON THE SIDE OF THE BASE:

FOR Ex DETECTORS ONLY

ELECTROSTATIC HAZARD: CLEAN ONLY WITH A CLEAN DAMP CLOTH

Fig. 2 MUBEx Detector Base