



Technical Manual for the Fire Alarm Call Point – BG

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 fire alarm call point units have been designed for use in harsh environmental conditions.

2. INSTALLATION

General

When installing and operating explosion-protected electrical equipment, requirements for selection, installation and operation should be referred to eg. IEC 60079-14 worldwide and the 'National Electrical Code' in North America. Additional national and/or local requirements may apply.

Ensure that all nuts, bolts and fixings are secure.

Ensure that only the correct UL listed stopping plugs are used to blank off unused gland entry points and that the NEMA/IP rating of the unit is maintained.

The BG is mounted via 4 x Ø 0.24" (6mm) fixing holes in the base. The cover assembly must be removed to gain access to the fixing holes.

The fixing holes have been designed to accept an M5 caphead screw or bolt. MEDC recommend the use of stainless steel screws.

Cable Termination

Unscrew the 4 off screws holding the cover assembly to the base and pull away from the base. Remove to gain access to the interior of the base.

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

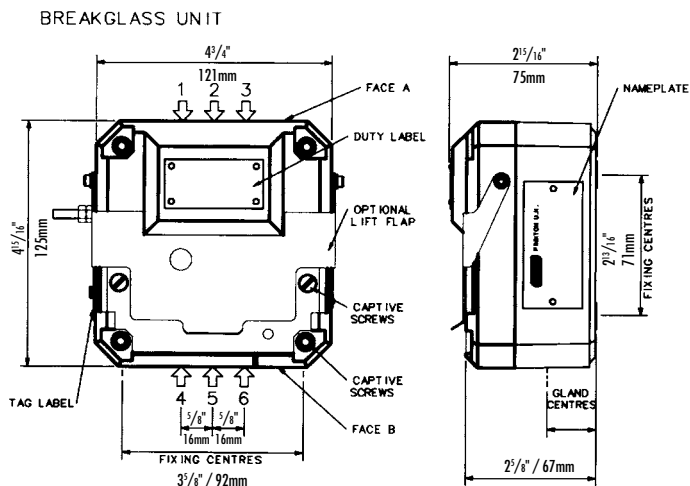
Ensure that only correct UL Listed cable glands are used and that the assembly is shrouded and correctly earthed.

All cable glands should be of an equivalent NEMA/IP rating to that of the call point and integrated with the unit such that this rating is maintained.

The internal earth terminal (where fitted), must be used for the equipment grounding connection and the external terminal is for a supplementary bonding connection where local codes or authorities permit or require such a connection.

Once termination is complete, carefully push the cover assembly back onto the base, avoiding damage to the mating surfaces. Tighten the 4 off screws in the cover assembly evenly, to ensure maintenance of the required gap between the cover & base.

GENERAL ARRANGEMENT.



ALL DIMENSION IN INCHES AND MILLIMETERS

3. OPERATION

The call point is operated by breaking the glass. Due to the design of the unit, there is no need to use a hammer as the operator is protected from the broken glass by a transparent vinyl sheet.

The glass, once used, must be replaced for subsequent operations. Remove the small cover held in place by the 2 off slotted screws. Take out the glass carefully and discard. Remember to check for loose fragments. Place a new glass into the unit and replace the cover.

Testing the unit can be performed by inserting the test key provided into the hole situated on the bottom-right hand side of the glass cover. Engage the key into the test cam and turn in a clockwise direction (60° approx.). This will simulate the glass breaking. Return the key to it's initial position to reset.

MEDC does not recommend forcing the test key further than 80° clockwise or 0° anti-clockwise as this may lead to premature failure of the test cam.

4. MAINTENANCE

During the working life of the call point, little or no maintenance is required. 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. CERTIFICATION/APPROVALS

Please refer to marking on the unit for specific approval details.

- UL listed for use in Class I, Division 2, Groups A, B, C & D.
 USA (USL) Class II, Division 2, Groups F & G.
- UL Standards UL1606 & UL864.
- Suitable for hazardous location fire-alarm applications.

6. CERTIFIED TEMPERATURE

-25°C to +55°C

-13°F to +131°F