# BG manual call point range

## Ex de, Ex ia, weatherproof

## Overview

These manual alarm call points have been designed for use in hazardous locations and harsh environmental conditions.

The glass reinforced polyester enclosures are suitable for use both onshore and offshore, where light weight combined with a high level of corrosion resistance is required.

The break glass is covered by a membrane which protects the operator from glass fragments meaning that no hammer is required to activate the unit.

A plastic 'break glass' or deformable operating element is available to replace the break glass. Once the flexible element is pressed it will bend but will not break. The unit is reset by repositioning the element.

## Features

- ATEX certified
- IECEx certified
- UL certified for Haz locs
- UL certified for Ord locs
- CCC certified
- Brazilian (INMETRO) certified
- CCOE certified
- Chinese Compulsory Certification for Fire Systems (CCCF) certified
- IP66 and IP67
- Corrosion free GRP construction
- SIL 2 certified
- A variety of colours available
- Up to 9 terminals available
- Optional LED indicates that the unit has been operated
- Earth continuity option for metal glands
- 1 or 2 changeover switches
- Captive cover screws
- Key operated test facility – simple and secure
- Breakglass hammer available

Eaton
Unit B, Sutton Parkway
Oddicroft Lane
Sutton in Ashfield
United Kingdom
NG17 5FB

T: +44 (0) 1623 444 400
www.eaton.com/signalling
MEDCSales@Eaton.com

© 2026 Eaton
All Rights Reserved
Printed in UK
Publication
No.DSMC0029/J
August 2026

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

All specifications, dimensions, weights and tolerances are nominal (typical) and Eaton reserve the right to vary all data without prior notice.
No liability is accepted for any consequence of use.

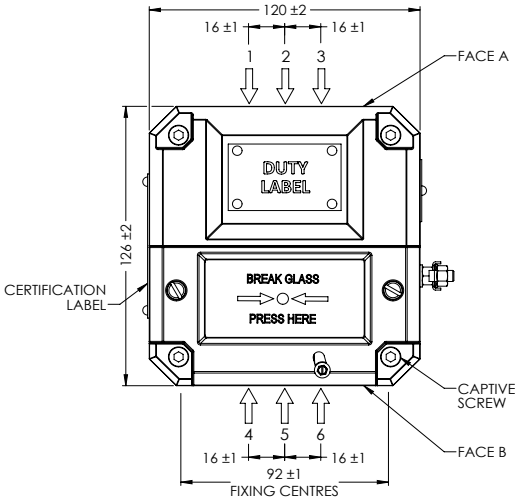
## Certifications

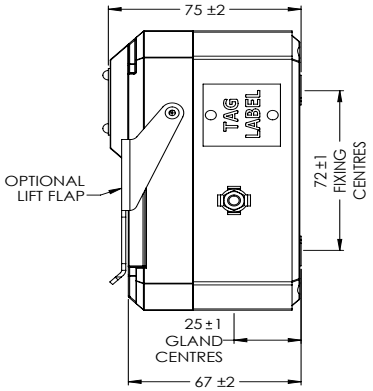
| | |
|---|---|
| **ATEX Ex de** | Cert. no. BAS02ATEX2105X. ATEX Approved Ex II 2GD<br>Certified to: EN60079-0, EN60079-1, EN60079-7, EN60079-18, EN60079-31<br>Ex db eb IIC T6 Gb, Ex tb IIIC T85°C Db (switch only)<br>Ex db eb mb IIC T6 Gb, Ex tb IIIC T85°C Db (with LED)<br>Ex db eb mb IIC T4 Gb, Ex tb IIIC T135°C Db (with resistors & diodes) |
| **ATEX Ex ia** | Cert no. Baseefa 03ATEX0084X. ATEX approved Ex II 1GD<br>Certified to: EN60079-0, EN60079-11<br>Ex ia IIC T4 Ga, Ex ia IIIC T200 135°C Da |
| **IECEx Ex de** | Cert. no. IECEx BAS 18.0100X.<br>Certified to: IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-18, IEC60079-31<br>Ex db eb IIC T6 Gb, Ex tb IIIC T85°C Db (switch only)<br>Ex db eb mb IIC T6 Gb, Ex tb IIIC T85°C Db (with LED)<br>Ex db eb mb IIC T4 Gb, Ex tb IIIC T135°C Db (with resistors & diodes) |
| **IECEx Ex ia** | Cert. no. IECEx BAS 12.0093X<br>Certified to: IEC 60079-0, IEC 60079-11<br>Ex ia IIC T4 Ga, Ex ia IIIC T200 135°C Da |
| **UL** | Listing no. E186629<br>UL listed to Class 1, Div 2. Groups A – D<br>UL listed for ordinary locations. Listing no. S8117 |
| **INMETRO Ex de** | Ex db eb IIC T6 Gb, Ex tb IIIC T85°C Db (switch only)<br>Ex db eb mb IIC T6 Gb, Ex tb IIIC T85°C Db (with LED)<br>Ex db eb mb IIC T4 Gb, Ex tb IIIC T135°C Db (with resistors & diodes) |
| **CCC Ex de** | Ex d e IIC T6 Gb, Ex tD A21 IP66/IP67 T85 (switch only)<br>Ex d e mb IIC T6 Gb, Ex tD A21 IP66/IP67 T85 (with LED)<br>Ex d e mb IIC T4 Gb, Ex tD A21 IP66/IP67 T135 (with resistors and diodes) |
| **CCC Ex ia** | Ex ia IIC T4 Ga, Ex iaD 20T135 |
| **CCCF** | Chinese Compulsory Certification for Fire Systems (CCCF). Ex de only. |
| **SIL** | SIL 2 certified to IEC 61508. Cert no. Sira 11013 |

## Specifications

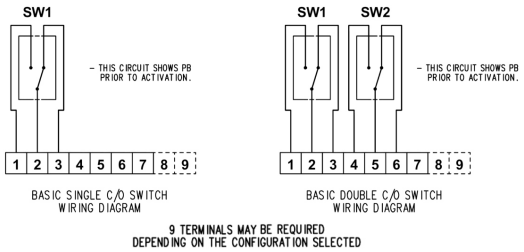
| | |
|---|---|
| **Material** | Anti-static UV resistant glass reinforced polyester |
| **Finish** | Red painted finish as standard or to customer specification |
| **Voltage** | Up to 250Vac. Up to 50Vdc (model dependent) |
| **Weight** | 1.2 kg. (varies with models and entries) |
| **Ingress protection** | IP66 & IP67 |
| **Entries** | Up to 4 entries, M16 or M20 top and bottom (1/2" NPT available on UL version) |
| **Terminals** | 7 x 2.5mm² - non UL standard<br>9 x 2.5mm² - optional (up to 50V only)<br>6 x 12AWG - BGUL only |
| **Resistors** | Various configurations available on versions up to 24V and all 'IS' versions (minimum resistor value 100ΩBGE, 470ΩBGI) |
| **Earth continuity** | Internal and external earth continuity is provided with an optional earth plate |
| **LED indication** | A high intensity red LED can be fitted as an optional extra to indicate operation on versions up to 24V and all 'IS' versions As standard the LED is not provided with over current protection. The forward current (If) should be limited to 20mA |
| **Labelling** | BG glass label – reads either (1) Fire Break glass – press here<br>(2) Break glass – press here<br>(3) Worded to customer requirements<br>(7) Dot and arrows - no text<br>Duty label - either worded to customer requirements (riveted on) or<br>(8) Burning house logo<br>Tag label - worded to customer requirements (screwed on) |
| **Switch ratings (1 or 2 changeover switches fitted)** | Switch only 30Vdc 5A (resistive) or 3A (inductive)<br>30-50Vdc 1A (resistive or inductive)<br>250Vac 5A (resistive or inductive)<br>LED 24Vdc 0.05A<br>Resistor(s) 24Vdc 0.05A |

## General arrangement drawing (all dimensions in mm)




### BG standard wiring configuration




### Temperature:

| Model | BGW | BGUL | BGE | BGI |
|---|---|---|---|---|
| | -40°C to +70°C | -25°C to +55°C† | -40°C to +70°C* | -40°C to +70°C |

*-35°C to +70°C with LED
† -25°C to +50°C with resistors or LED fitted

# Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box

**Note:** For CCCF units, use the following code: BGEQF4B6B74DSA_9R. Add a code in the blank space only if resistors are required. The possible codes are C, D, or S as per the options below.

**Model**: BG

**Certification**

| Certification | Code |
|---|---|
| ATEX/CENELEC - Ex de | EB |
| ATEX/CENELEC - Ex ia | IB |
| IECEx - Ex ia | IJ |
| IECEx - Ex de | EJ |
| UL - Listed | UL |
| UL (Ordinary Locations) | UW |
| CCC - Ex de | EQ* |
| CCC/CCCF - Ex de | EQF |
| CCC - Ex ia | IQ* |
| INMETRO - Ex de | EM |
| Uncertified | WN |

* Not suitable for use in China on fire alarm systems

**Entries**

| Entries | Code |
|---|---|
| M16 | A* |
| M20 | B* |
| ½" NPT | C* |

*Prefix entry size (see diagram above) with entry position code e.g. 4B6B

UL versions only available with 1/2" NPT entries

**Labels**

| Label | Code |
|---|---|
| Glass label (1) reqd | 1 |
| Glass label (2) reqd | 2 |
| Glass label (3) reqd | 3* |
| Duty label reqd | 4* |
| Tag label reqd | 5* |
| Glass label (7) reqd | 7 |
| Burning house logo | 8† |

*Specify wording on 3, 4 or 5 as required
†Must be selected for Russian Fire approval

**Voltage**

| Voltage | Code |
|---|---|
| a.c | A |
| d.c | D |

**Switches**

| Switches | Code |
|---|---|
| Single changeover | S |
| Double changeover | D |

**Options**

| Option | Code |
|---|---|
| None | N |
| LED | A |
| Lift flap | B |
| Resistor series | C* |
| Resistor EOL | D* |
| Diode | E‡ |
| Earth continuity | F‡ |
| Resistor series and EOL | S*† |
| Plastic element replaces break glass | P |
| Break glass hammer | H |

*Specify values
†Choose for BGE only - on the BGI/W, choose C & D ‡Not available for UL versions

**Terminals**

| Terminals | Code |
|---|---|
| 6 x 12AWG (UL standard) | 6* |
| 7 x 2.5mm (standard) | 7 |
| 9 x 2.5mm (optional) | 9 |

*BGUL only available with six terminals

**Finish**

| Finish | Code |
|---|---|
| Red (standard) | R |
| Natural black | N |
| Blue | B |
| Yellow | Y |
| Grey | G |
| Yellow/black stripes | X |
| Special | S* |

*Please specify