

## Exed, Intrinsically Safe (Exia), Weatherproof BG Range & PB Range



### Introduction

These manual fire alarm call points have been designed for use in hazardous locations and harsh environmental conditions. The GRP enclosures are suitable for use offshore or onshore, where lightweight combined with a high level of corrosion resistance is required.

### Features

- Polyester enclosure – light, strong and not subject to corrosion.
- 2 models:
  - Breakglass.
  - Pushbutton.
- 4 basic versions available:
  - (1) Explosion protected Exe (ATEX, Chinese [CQST], Brazilian [Inmetro]).
  - (2) Explosion protected Exi (ATEX, GOST 'R', GOST 'K', Chinese (CQST), Brazilian [Inmetro] or CSA),
    - Class I, Div. 2, Groups A-D.
    - Class II, Div. 2, Groups F & G (PB only).
    - Class I, Zone 2.
  - (4) Weatherproof & Dust-tight/UL ordinary locations.
- In line and end of line resistors and/or zener diodes can be fitted.
- Variety of colours available.
- Up to 9 terminals available.
- Lift flap available for extra protection against inadvertent operation.
- Optional LED – this indicates that the unit has been operated – useful for testing purposes.
- Earth continuity option for metal glands.
- 1 or 2 changeover switches.
- Captive cover screws.
- SIL 2 Certified.
- IECEx certified Gb, Db.



## Features

### Breakglass Model

- No hammer required – the glass is covered by a membrane thus protecting the operator from glass fragments.
- A plastic 'Break glass' or deformable operating element is available to replace the break glass.

Once the flexible element is pressed it bends but will not break. The unit is reset by repositioning the element. All other functions remain the same.

- Key operated test facility – simple but secure.
- Breakglass hammer available.

### Pushbutton Model

- Stayput as standard or self reset available.
- Lift Flap as standard. (Not turn and push model).

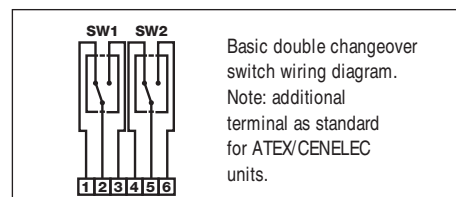
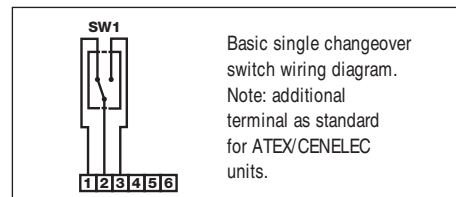


# Specification

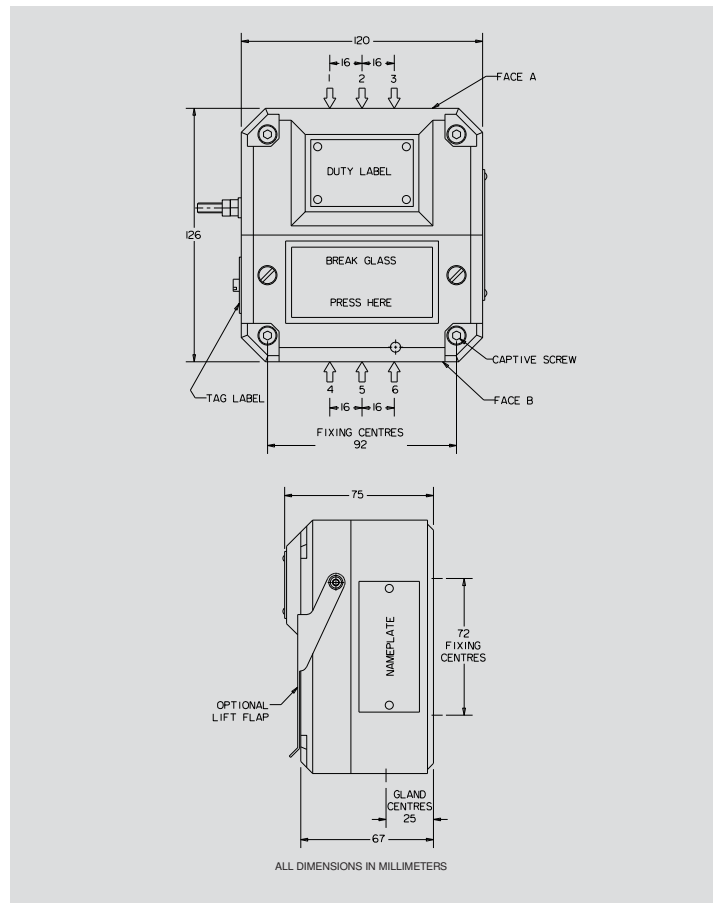
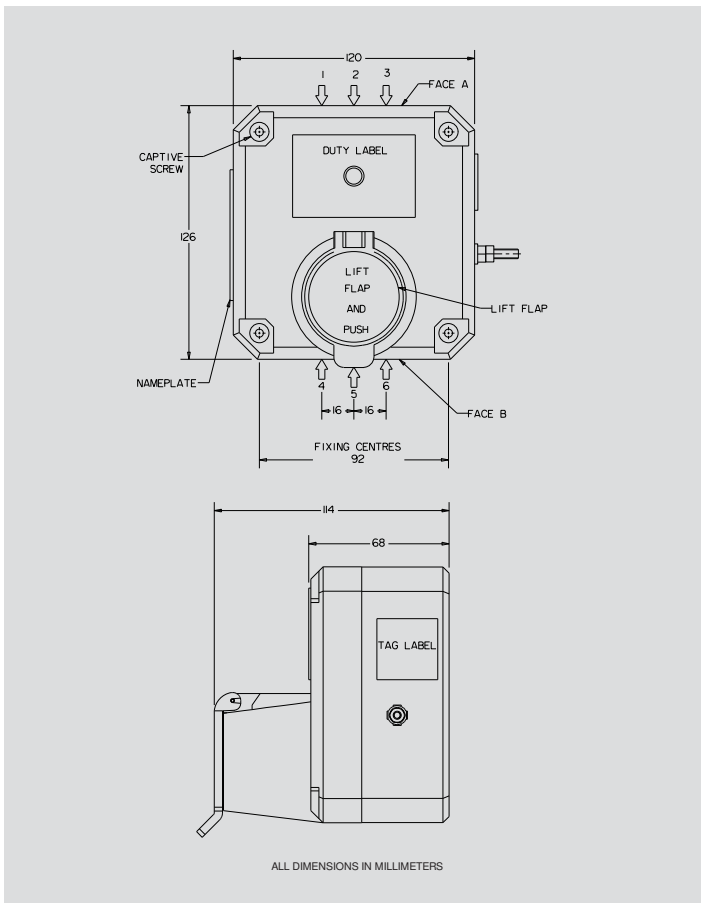
Model:	BGW & PBW	*BGUL & PBUL	BGE & PBE	BGI & PBI
<b>Protection:</b>	Weatherproof/ dust proof	Explosion Protected Class I, Div 2 Class II, Div 2	Explosion Protected Exed (Increased Safety)	Explosion Protected Exia (Intrinsically Safe)
<b>Certification:</b>	Weatherproof/ dust proof  IP66/IP67	UL Listed to Class I, Div 2, Groups A-D BGUL & PBUL Class II, Div 2, Groups F & G (PBUL only) Listing No. E186629  UL listed for ordinary locations Listing No. S8117  * Refer to UL data sheet at rear of catalogue for complete information	ATEX approved Ex II 2GD BAS02ATEX2105X (PB only)  ATEX approved Ex II 2G BAS02ATEX2105X (BG only)  Exedm IIC T6 (switch only) Exedm IIC T4 (other versions) CENELEC EN50014 EN50019 EN50018 EN50028  Suitable for use in Zones 1 & 2  <b>Chinese Certification (PBE &amp; BGE):†</b> CQST – Exed IIC T6 (switch only) Exedm IIC T4 (other versions)  <b>GOST 'R' Certification (PBE &amp; BGE):</b> Exedm IIC T6 Exedm IIC T4 (other versions) Russian Fire Approved  <b>Brazilian (Inmetro) Certification:</b> Ex de mb IIC T4 Gb, Ex de IIC T6 Gb  SIL 2 Certification to IEC 61508. Cert. No. Sira 11013 (BGE only).  American Bureau of Shipping Type Approval BGE only	ATEX approved Ex II 1GD Baseefa 03ATEX0084X  Exia IIC T4 CENELEC EN50014 CENELEC EN50020 Suitable for use in Zones 0, 1 & 2 IECEX Exia Cert. No: IECEX BAS 12.0093X IEC 60079-0 IEC 60079-11  <b>CSA Certification to C22.2 (PBI only):</b> Nos.0-M, 0.4-M, 14-M, 25, 30-M, 94, 142-M1987, 157-M1987, 157-92, Enclosure Type 4. T4A Class I Groups A, B, C & D Cert. No. 79120  <b>GOST 'R' Certification (PBI &amp; BGI):</b> Exia IIC T4 Russian Fire Approved  <b>GOST 'K' Certification (PBI only):</b> Exia IIC T4  <b>Chinese Certification (PBI &amp; BGI):</b> CQST – Exia IIC T4  <b>Brazilian (Inmetro) Certification:</b> Ex ia IIC T4 Ga SIL2 Certification to IEC 61508. Cert. No. Sira 11013 (BGI only).  American Bureau of Shipping Type Approval
<b>Voltage: Certified Temp:</b>	Up to 254V -40°C to + 55°C Weatherproof	Up to 240V -25°C to + 55°C (PBUL) -25°C to + 55°C (BGUL)  UL Version	Up to 250V  -20°C to + 50°C	Up to 28V (IS) ATEX/CENELEC -40°C to + 70°C (PBI) ATEX/CENELEC -40°C to + 70°C (BGI)  CSA -50°C to + 40°C (PBI only) <b>IECEX</b> Exia IIC T4 Ga (-40°C ≤ Ta ≤ + 70°C) Exia IIC T135°C Da (-40°C ≤ Ta ≤ + 70°C)
<b>Switch Ratings: (1 or 2 changeover switches fitted)</b>	d.c. - 0-30V 5A (resistive) or 3A (inductive) 30-50V 1A (resistive or inductive) a.c. - 0-254V 5A(resistive or inductive)			NOT APPLICABLE

Note: UL versions Max Rating 240VAC, 3A

<b>Material:</b>	Anti static U.V. resistant glass reinforced polyester.
<b>Finish:</b>	Red painted finish as standard or to customer specification.
<b>Weight:</b>	1.2 kg. (Varies with model & entries).
<b>Ingress Protection:</b>	IP66 & IP67.
<b>Entries:</b>	Up to 4 entries, M16 or M20 top and bottom (1/2" NPT available on UL version).
<b>Terminals:</b>	6 x 2.5mm <sup>2</sup> – standard (BGUL only). 7 x 2.5mm <sup>2</sup> – standard. 9 x 2.5mm <sup>2</sup> optional – up to 60V only.
<b>Resistors &amp; Diodes:</b>	Various configurations available on versions up to 24V and all "IS" versions. (Minimum Resistor value 100Ω/PBE/BGE, 470Ω/PBI/BGI).
<b>Earth Continuity:</b>	Internal & external earth continuity is provided via an optional earth plate.
<b>LED Indication:</b>	A high intensity red LED can be fitted as an optional extra to indicate operation on versions up to 24V and all "IS" versions.
<b>Labels:</b>	BG Glass label - reads either (1) Fire Break glass – press here. (2) Break glass – press here. (3) Worded to customer requirements. PB & BG Duty label - worded to customer requirements. Riveted on. PB & BG Tag label - worded to customer requirements. Screwed on.



For versions containing inline and end of line resistors or diodes, please specify your requirements.



## 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. **Standard products available ex-stock. Please visit [www.coopermedc.com](http://www.coopermedc.com) for further details.**

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