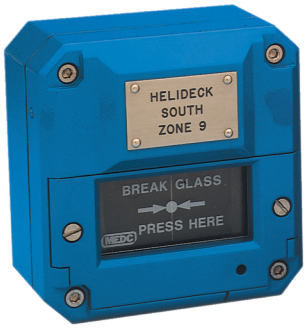
BG manual call point range

Ex de, intrinsically safe (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.

Features

- ATEX certified
- IECEx certified
- UL certified for Haz locs
- UL certified for Ord locs
- TR CU certified
- CQST 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 but secure
- Breakglass hammer available

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.

ATEX IECEx INMETRO

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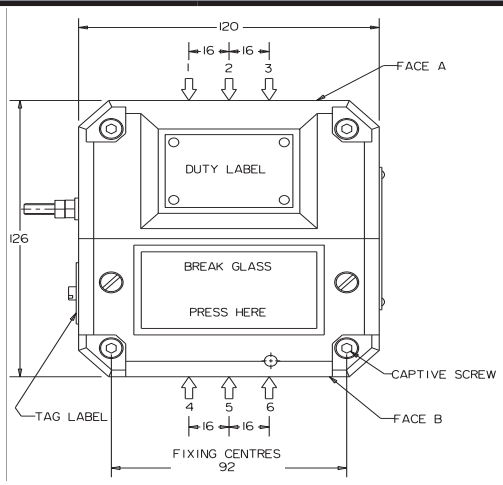
Certifications

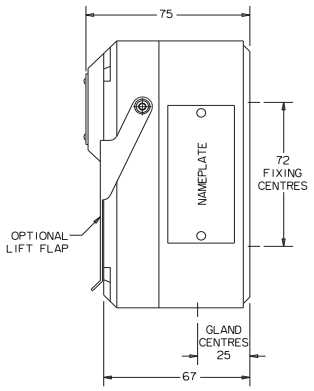
ATEX Ex de	Cert. no. BAS02ATEX2105X. ATEX Approved Ex II 2G Certified to: EN60079-0, EN60079-1, EN60079-7 Ex de IIC T6 Gb switch only Ex de mb IIC T6 Gb with LED Ex de mb IIC T4 Gb with resistors & diodes
ATEX Ex ia	Cert no. Baseefa 03ATEX0084X. ATEX approved Ex II 1GD Certified to: EN60079-0, EN60079-11 Ex ia IIC T4 Ga, Ex ia IIIC T135°C Da
IECEx Ex ia	Cert. no. IECEx BAS 12.0093X Certified to: IEC 60079-0, IEC 60079-11 Ex ia IIC T4 Ga, Ex ia IIIC T135°C Da
UL	Listing no. E186629 UL listed to Class 1, Div 2. Groups A – D UL listed for ordinary locations. Listing no. S8117
TR CU Ex ed	2Ex ed IIC T6, DIP A21 T85°C IP66/IP67 (switch only) 2Ex e md IIC T4, DIP A21 T135°C IP66/IP67 (other versions) Russian Fire approved
TR CU Ex ia	Ex ia IICT4. Russian Fire approved
INMETRO Ex de	Ex de mb IIC T4 Gb, Ex de IIC T6 Gb
CQST Ex de	Ex de IICT6 (switch only), Ex de m IICT4 (other versions)
CQST Ex ia	Ex ia IIC T4
CCCF	Chinese Compulsory Certification for Fire systems (CCCF). Ex de only
SIL	SIL 2 certified to IEC 61508. Cert no. Sira 11013
Type approvals	American Bureau of Shipping type approval (ABS)

Specifications

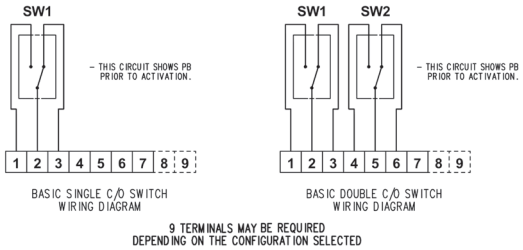
Material	Anti-static UV resistant glass reinforced polyester
Finish	Red painted finish as standard or to customer specification
Voltage	Up to 254V a.c. Up to 28V d.c
Weight	1.2 kg. (varies with models and entries)
Ingress protection	IP66 & IP67
Entries	Up to 4 entries, M16 or M20 top and bottom (1/2" NPT available on UL version)
Terminals	7 x 2.5mm² - non UL standard 9 x 2.5mm² - optional (up to 60V only) 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 (2) Break glass – press here (3) Worded to customer requirements (7) Dot and arrows - no text Duty label – worded to customer requirements. Riveted on Tag label – worded to customer requirements. Screwed on
Switch ratings (1 or 2 changeover switches fitted)	dc 0-30v 5A (resistive) or 3A (inductive) 30-50v 1A (resistive or inductive) ac 0-254V 5A (resistive or Inductive)

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 box below

Model	Certification	Entries	Labels	Voltage	Switches	Options	Terminals	Finish
BG								

Certification	Code
ATEX/CENELEC - Ex de	EB
ATEX/CENELEC - Ex ia	IB
IECEx - Ex ia	IJ
UL - Listed	UL
UL (Ordinary Locations)	UW
TR CU - Ex ia	IG
TR CU Ex ed	EG
CQST - Ex de	EQ†
CQST/CCCF - Ex de	EQF
CQST - Ex ia	IQ†
INMETRO - Ex de	EM
Uncertified	WN

†Not suitable for use in China on fire alarm systems

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

*Specify wording on 3, 4 or 5 as required

Switches	Code
Single changeover	S
Double changeover	D

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

*Please specify

Voltage	Code
a.c	A
d.c	D

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

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