# CROUSE-HINDS SERIES

# BG manual call point range

## Ex de, Ex ia, weatherproof



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
- TR CU certified
- COST certified
- Brazilian (INMETRO) certified
- CCOE certified
- IP66 and IP67
- Corrosion free GRP construction
- SIL 2 certified

• A variety of colours available

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HELIDECK

SOUTH ZONE 9

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- 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

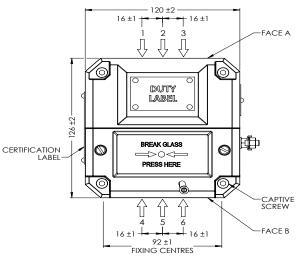


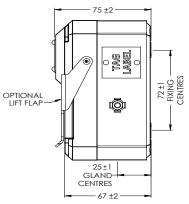


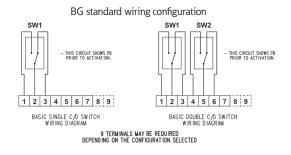
Certifications		
ATEX Ex de	Cert. no. BAS02ATEX2105X. ATEX Approved Ex II 2GD Certified to: EN60079-0, EN60079-1, EN60079-7, EN60079-18, EN60079-31 Ex db eb IIC T6 Gb, Ex tb IIIC T85°C Db (switch only) Ex db eb mb IIC T6 Gb, Ex tb IIIC T85°C Db (with LED) Ex db eb mb IIC T4 Gb, Ex tb IIIC T135°C Db (with resistors & diodes)	
ATEX Ex ia	Cert no. Baseefa 03ATEX0084X. ATEX approved Ex II 1GD Certified to: EN60079-0, EN60079-11 Ex ia IICT4 Ga, Ex ia IIICT135°C Da	
IECEx Ex de	Cert. no. IECEx BAS 18.0100X. Certified to: IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-18, IEC60079-31 Ex db eb IICT6 Gb, Ex tb IIICT85°C Db (switch only) Ex db eb mb IICT6 Gb, Ex tb IIICT85°C Db (with LED) Ex db eb mb IICT4 Gb, Ex tb IIICT135°C Db (with resistors & diodes)	
IECEx Ex ia	Cert. no. IECEx BAS 12.0093X Certified to: IEC 60079-0, IEC 60079-11 Ex ia IICT4 Ga, Ex ia IIICT135°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	1Ex d e IICT6 Gb, Ex tb IIICT85°C Db (switch only) 1Ex d e mb IICT6 Gb X, Ex tb IIICT85°C Db X (with LED) 1Ex d e mb IICT4 Gb X, Ex tb IIICT135°C Db X (with resistors & diodes) Russian Fire approved (Must be red and have burning house duty label)	
TR CU Ex ia	0Ex ia IIC T4 Ga X, Ex ia IIIC T135°C Da Russian Fire approved (Must be red and have burning house duty label)	
INMETRO Ex de	Ex db eb IICT6 Gb, Ex tb IIICT85°C Db (switch only) Ex db eb mb IICT6 Gb, Ex tb IIICT85°C Db (with LED) Ex db eb mb IICT4 Gb, Ex tb IIICT135°C Db (with resistors & diodes)	
CQST Ex de	Ex d e IIC T6 Gb (switch only) Ex d e mb IIC T4 Gb (other versions)	
CQST Ex ia	Ex ia IIC T4 Ga	
SIL	SIL 2 certified to IEC 61508. Cert no. Sira 11013	
Type approvals	American Bureau of Shipping type approval (ABS) Ex de only	

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 9 x 2.5mm² - optional (up to 50V only) 6 x 12AWG - BGUL only			
Resistors	Various configurations available on versions up to 24V and all 'IS' versions (minimum resistor value 100 $\Omega BGE,$ 470 $\Omega BGI)$			
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 pro- vided 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 - either worded to customer requirements (riveted on) or (8) Burning house logo Tag label - worded to customer requirements (screwed on)			
Switch ratings (1 or 2 changeover switches fitted)	Switch only 30Vdc 5A (resistive) or 3A (inductive)   30-50Vdc 1A (resistive or inductive)   250Vac 5A (resistive or inductive)   LED 24Vdc 0.05A   Resistor(s) 24Vdc 0.05A			

#### General arrangement drawing (all dimensions in mm)







emperat 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 LE	Ð		

† -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

