PH1 range pull handle call point

Ex d, UL hazardous & ordinary locations





Overview

The PH1 double action pull handle call point has been designed for use in flammable atmospheres and harsh environmental conditions.

The GRP enclosure is suitable for use offshore or onshore where light weight combined with a high level of corrosion resistance is required.

The large "Lift" and "Pull" GRP handles can be operated effortlessly whilst wearing industrial gloves and require double action to raise the alarm, preventing accidental activation.

Features

- Zone 1 and Zone 2 use
- UL Listed for:
  - Hazardous locations
  - Class I, Division 1. Groups B, C & D
  - Class I, Division2. Groups A-D
  - Zone 1
  - Ordinary locations: fire alarm boxes
- Ex d IIC T6 Gb
- Ex tb IIIC T85°C Db
- IECEx certified Gb, Db
- ATEX certified Ex II 2 GD
- NEMA 4X & 6. IP66 & IP67
- SIL 1 certified
- Certified temperature from -55°C to +70°C*
- Corrosion free GRP construction*
- Optional in line, end of line resistors and diodes
- Retained stainless steel cover screws

*Model dependent

ATEX IECEx c UL us SIL

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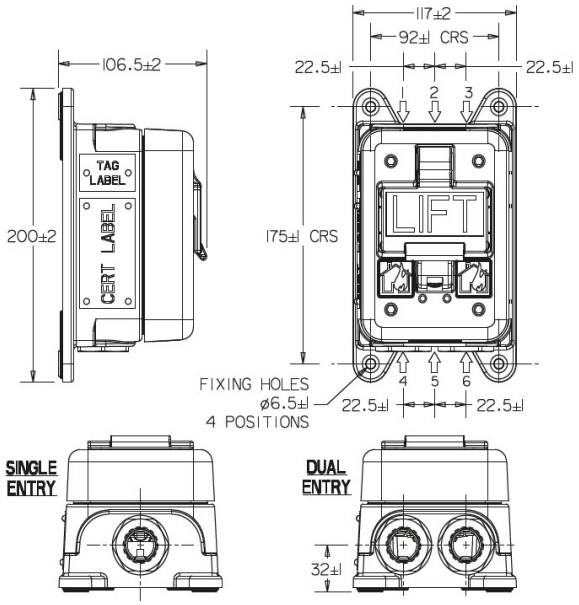
Certifications

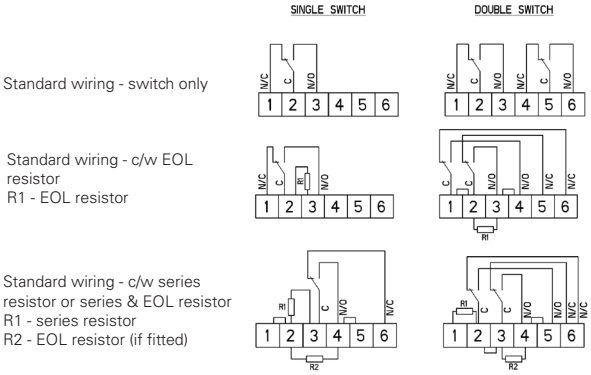
UL Haz Locs	UL listed for USA and Canada Listing no. E186629 Class I, Div. 1. Groups B, C & D Class I, Div. 2. Groups A- D Class I, Zone 1, AEx d IIC, Ex d IIC Class II, Div.2, Groups F & G Class III
UL Ord Locs	UL Listing no. S8117. Fire alarm boxes UL for USA and Canada
IECEx Ex d	Cert. no. IECEx ITS.11.0021X Certified to: IEC60079-0, IEC60079-1, IEC60079-31 Ex d IIC T6 Gb, Ex tb IIIC T85oC Db. IP66
ATEX Ex d	Cert. no. ITS11ATEX17308X Certified to: EN60079-0, EN60079-1, EN60079-31 Ex II 2 GD, Ex d IIC T6 Gb, Ex tb IIIC T85°C Db. IP66
SIL	SIL 1 certification to IEC 61508. Cert number: Sira FSP 19005

Specifications

Material	Body/covers/handles: GRP (glass reinforced polyester) UL Class I, Div. 1 inner cover: 316 (ANC4B) stainless steel Fixings: stainless steel grade 316
Finish	Cover: natural red Body: natural black Handles: natural white Cover may be painted to customer's requirements
Voltage	0-50Vdc, 0-254Vac
Switch rating	1 or 2 c/o switches, 254V, 3A max
Weight	UL Class I, Div 2, ATEX, IECEx & UW: Gross weight 3.2Kg Net weight 2.6Kg UL Class I, Div. 1: Gross weight 4.4 Kg. Net weight 3.8Kg
Certified temp	ATEX & IECEx: -55°C to +70°C UL Class I, Divs. 1 & 2, UW: -50°C to +70°C
Ingress protection	NEMA 4X & 6. IP66 & IP67
Entries	UL Class I, Div. 1 - Max 1 per face. Up to 2 x 1/2" NPT or 3/4" NPT Positions 2 & 5 only. UL Class I, Div. 2, UW: Up to 2 x 1/2" or 3/4" NPT Max. 1 per face & positions 2 & 5 only ATEX, IECEx - Max 2 per face. Up to 2 x M20 or M25, up to 2 x 1/2" or 3/4" NPT
Terminals	6 x 2.5mm² as standard (Contact MEDC for options)
Earth continuity	Earth continuity is provided by internal plate
Duty labels	'Burning house' label fitted as standard on red units Red blank duty label fitted as standard on all other colour units, unless text is supplied by customer
Tag label	Worded to customers requirements
Resistors	Various configurations available, 470 Ohms minimum
Diodes	Various configurations available

General arrangement drawing (all dimensions in mm)





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

Model

PH1

Certification

Certification	Code
UL Class I, Div.1	UL1
UL Class I, Div.2	UL2
UL Ord. Loc	UW
ATEX	B
IECEx	J
Weatherproof	W

Entries

Entries	Code
M20	*B
M25	*C
1/2" NPT	*†M
3/4" NPT	*†N

*Prefix entry size with entry position (see diagram above)
E.g. 4B6B. Maximum 2 Entries

†UL Class 1. Div. 1 - Max 1 per face
Up to 2x 1/2" NPT or 3/4" NPT
Positions 2 & 5 only
UW: Up to 2 x 1/2" or 3/4" NPT
3/4" NPT, Max. 1 per face &
positions 2 & 5 only

Switches

Switches	Code
Single changeover	S
Double changeover	D

Options

Option	Code
None	N
Series resistor	G*
EOL resistor	H*
Diode	E*
Tag label	T*
Custom duty label	D*†

*Please specify
†Only select if non standard option is required

Finish

Finish	Code
Natural Red	R
Blue	B
Yellow	Y
Special	S*

*Please specify

NOTE: the units can be internally wired to suit customers specifications
Please discuss your requirements with us