Introduction

These manual fire alarm, emergency shutdown break-glass and pushbutton units have been designed for the most arduous environmental conditions. The units are both easy to install and maintain. Intrinsically safe Ex ia and flameproof Ex d versions of each model are available.

A choice of either stainless steel or alloy makes the range suitable for either the offshore or onshore industries. Stainless steel, one of the most durable materials available on the market, is both hard wearing and corrosion resistant, increasing the life of products in harsh environments and therefore reducing maintenance costs.

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Features

- Zone 0, Zone 1 and Zone 2 use*.
- Ex d IIC T5/T6 or Ex ia IIC T4.
- ATEX approved, Ex II 1G (Ex ia) Ex II 2GD (Ex d).
- BASEEFA certified.
- UL listed for USA and Canada (PB only), Class I, Div 1, Groups C & D.
- ULC certified for Class I, Zone 1 Groups C & D.
- CSA certified.
- IECEx certified Gb, Db.
- CUTR certified.
- Brazilian (Inmetro) certified.
- SIL 2 certified. (SM87 PB only).
- IP66 and IP67.
- Certified temperature: –55°C to +70°C*.
- Stainless steel or marine grade alloy.
- Robust yet lightweight.
- Easy to maintain.

*Model dependent.
Certification and Specification

ATEX Ex d: Cert. no. Baseeta03ATEX00075. ATEX Approved Ex II 2GD.
          Certified to: EN60079-0, EN60079-1, EN60079-31.

ATEX Ex ia: Cert. no. Baseeta02ATEX00152X. ATEX Approved Ex II 1G.
           Certified to: EN60079-0, EN60079-11, EN60079-26.
           Ex ia IIC T8 Gb.

IECEx Ex d: Cert. no. IECEx BAS 09.0060. 
           Certified to: EN60079-0, EN60079-1, EN60079-31.

IECEx Ex ia: Cert. no. IECEx BAS 10.0033X.
            Certified to: IEC60079-0, IEC60079-11, IEC60079-26.
            Ex ia IIC T4 Ga.

UL:
Listing no. E186629.
UL listed to Class I, Div 1. Groups C & D. (SM87PBL).

CSA Ex d: Class 1, Div 1 & 2. Group D.

CSA Ex ia: Class 1, Div 1 & 2. Groups A-D.

            Russian Fire Approved.

CUTR Ex ia: Ex ia IIC T4 Ga.

Inmetro Ex d: Ex d IIC T5/T6 Gb.

Inmetro Ex ia: Ex ia IIC T4 Ga.

COST Exd: Ex d IIC T5/T6 Gb.

COST Exia: Ex ia IIC T4 Ga.

SIL:
PB only - SIL 2 Certification to IEC61508. Cert. No. FSP1404

Material: Grade 316 ANC4B Stainless Steel or
            LM 25 TF Marine Grade Alloy.

Finish: Paint finish as standard or to customer specification.

Voltage: Exd 24V a.c./d.c. Exia 28V.

Weight: 3.8 kg. steel (approx.) or 2.5 kg. alloy (approx).

Ingress Protection: IP66 and IP67. SM87 PB IP68 (35m for 40 hours).

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.

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