SM87BG & SM87PB manual call point range

Ex d, Ex ia, weatherproof



Overview

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.

Features

- Zone 0, Zone 1 and Zone 2 use*
- Ex d IICT5/T6 or Ex ia IICT4
- ATEX approved, Ex II 1G (Ex ia) or Ex II 2GD (Ex d)
- 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
- TR CU certified
- Chinese (CQST) certified
- Brazilian (INMETRO) certified

- CCOE certified
- SIL 2 certified (SM87PB only)
- IP66 and IP67
- DNV type approval (IEC 60945) (SM87PB only)
- Certified temperature: -55°C to
- Stainless steel or marine grade
- Robust yet lightweight
- Easy to maintain
 - *Model dependent













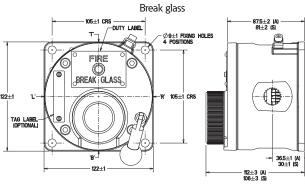




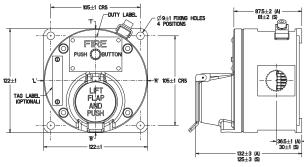
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General arrangement drawing (all dimensions in mm)





Push button



Both the Ex ia units and the Ex d units have the same external appearance. Also the internal components are identical throughout the range. Each unit can be wired for either NO, NC or CO contacts to customer specification

Certified temp Ex d* -55°C to +70°C. Ex ia* -55°C to +60°C -20°C to +55°C (LED version only) UL -40°C to +70°C, -20°C to +55°C (LED version only) CSA -50°C to +55°C (Ex d), -50°C to +40°C (Ex ia) *Note: includes ATEX, IECEx, CUTR, Brazilian & Chinese versions Weight 3.8 kg. steel (approx.) or 2.5 kg. alloy (approx) Ingress protection IP66 & IP67. SM87PB IP68 (35m for 40 hours)

Ex d 24V a.c./d.c. Ex ia 28V

2 pole c/o, wired to terminals

Optional up to 4 pole (UL version 2 pole only)

systems

current (If) should be limited to 20mA

A red high intensity LED can be fitted for alarm indication

As standard the LED is not provided with over current protection. The forward

 Entries
 Up to 4 x M20 or M25 ISO Ex d/Ex ia Up to 4 x ½" or ¾" NPT UL

 Terminals
 Will accept up to 1.5mm² cable

Resistor values 470R minimum (d.c. & I.S. units only)

2A

Ordering requirements

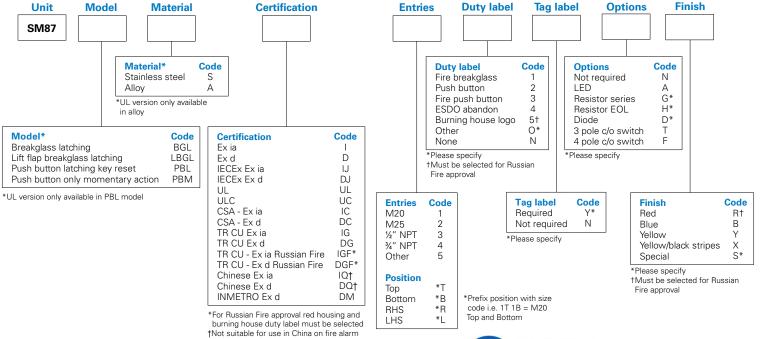
Voltage

Rating

Switches

Optional indicator

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





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