

SM87BG & SM87PB fire alarm call point range

Hazardous locations, ordinary locations



Overview

These fire alarm call points have been designed for the most arduous environmental conditions.

The units are both easy to install and maintain.

Versions of this model are available with various options including an addressable module. A choice of either marine grade alloy or stainless steel (version dependent).

European, Russian, Chinese and other worldwide approvals are available.

Features

- UL listed for USA and Canada (SM87PBL only). Class I, Div 1, Groups C & D
- ULC certified (SM87PBL only) for Class I, Zone 1 Groups C & D
- CSA certified
- IP66 & 67
- Certified temperature*:
-67°F to +158°F
-55°C to +70°C
- Marine grade alloy or stainless steel
- Robust yet lightweight
- Easy to maintain

*Depending on version



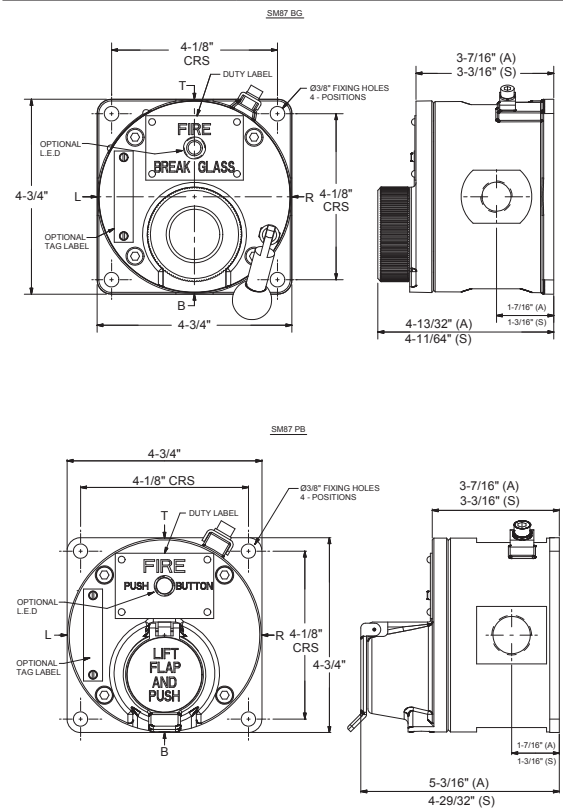
Certifications

Certification	UL listed for USA and Canada ULC listed for Canada Class 1 Div 1 Groups C & D and Class 1, Zone 1 UL Listing No. E186629 (SM87PBL only) ULC Listing No. E320282 (SM87PBL only) CSA Certification: I.S. Version – Class 1, Groups A, B, C, D Ex d Class I, Div 2 Group D Enclosure type 4, Cert. No. 2689075 American Bureau of Shipping Type Approval SM87PBLAUL only
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Specifications

Material	Grade 316 ANC 4B stainless steel or LM 25 TF marine grade alloy
Finish	Paint finish as standard or to customer specification
Voltage	24V a.c./d.c. Ex ia 28V
Rating	2 amp. (30mA max. with LED)
Switches	2 pole c/o, wired to terminals Optional: up to 4 pole (UL version 2 pole only)
Optional indicator	A red high intensity LED can be fitted for alarm indication As standard the LED is not provided with over current protection. The forward current (If) should be limited to 20mA
Certified temp	UL/ULC: –40°F to +158°F (–40°C to +70°C) –4°F to +131°F (–20°C to +70°C) LED version only CSA Explosion proof - Class 1, Div 1 & 2. –50°C to +55°C CSA - Ex d IIC–55°C to +70°C CSA Intrinsically safe - Class 1, Div 1 & 2 –50°C to +40°C
Weight	8.4 lb/3.8kg (approx.) Stainless Steel or 5.5 lb/2.5kg (approx.) alloy
Ingress protection	IP66 & 67, SM87PB IP68 (35m for 40 hours)
Entries	Up to 4 x 1/2" or 3/4" NPT
Terminals	Will accept up to 14AWG cable (16 AWG for CSA)
Addressable	Consult MEDC for specification
Resistor values	470R minimum (d.c. & I.S. units only)

General arrangement drawing (all dimensions in inches)



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.

Unit	Model	Material	Certification	Entries	Duty label	Tag label	Options	Finish
SM87								
Model Breakglass latching BGL Lift flap breakglass latching LBGL Push button latching key reset PBL* Push button only momentary action PBM		Certification UL Listed UL ULC Listed UC CSA-Ex d DC CSA-Ex ia IC		Duty label Push button 2 Fire-push button 3 ESDO-abandon 4 FIRE/FEU 6** Other O*		Options Not required N LED A Series resistor G*† EOL resistor H*† Diode D* Addressable module M‡ 3 pole c/o switch T** 4 pole c/o switch F**		Finish Red R Blue B Yellow Y Yellow/black stripes X Special S*
* UL and ULC version only available in PBL model		* Please specify ** This option must be used when ordering a red callpoint for ULC Fire Alarm applications		* Specify values † d.c. and I.S. units only ‡ Not available on ULC version ** Not available on UL/ULC version				
		Material Stainless steel S Alloy A*		Entries 1/2" NPT 3 3/4" NPT 4 Please specify Top T* Bottom B* RHS R* LHS L*	Tag label Required Y* Not required N		* Please specify wording	
		* UL & ULC version only available in alloy model		* Prefix position with size code i.e. 3T 3B = 1/2" NPT Top and Bottom † Max. 3 entries on ULC versions				*Please specify