

Certificate Number
Baseefa02ATEX0152X



Issued 19 November 2002
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EC - TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC

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- 3 EC - Type Examination Certificate Number : **Baseefa02ATEX0152X**
- 4 Equipment or protective system: **SERIES SM87 GENERAL PURPOSE ALARM STATION**
- 5 Manufacturer : **MEDC LIMITED**
- 6 Address : **Colliery Road, Pinxton, Nottingham, NG16 6JF**
- 7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Baseefa (2001) Ltd. Notified body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential Report No. **02(C)0209 dated 19th November 2002**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 50014: 1997 + Amds 1 & 2 EN 50020: 2002 EN 50284: 1999**
- except in respect of those requirements listed at item 18 of the Schedule.
- 10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.
- 11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.
- 12 The marking of the equipment or protective system shall include the following :

Ex II 1 G EEx ia IIC T4 (-55°C ≤ T_a ≤ +55°C)

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa (2001) Ltd. Customer Reference No. **0676**

Project File No. **02/0209**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

R S SINCLAIR

DIRECTOR
On behalf of
Baseefa (2001) Ltd.

Baseefa (2001) Ltd.

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Schedule

15 Description of Equipment or Protective System

The Series SM87 General Purpose Alarm Station is designed to provide an electrical signal and an optional indication when an alarm switch is manually operated.

It comprises an actuator mechanism with a break glass, a switch, an optional printed circuit board, and various components connected to a terminal block with up to six ways, all housed in a metal enclosure.

External connections are made at the terminal block through a gland entry.

The Series SM87 comprises the following variants:

SM87 BGLI is the standard General Purpose Alarm Station with a glass cover over the actuator.

SM87 LBGLI is the same as SM87 BGLI but with a metal flap over the glass cover

SM87 PBLI is the same as SM87 BGLI but with a push button actuator, latching mechanism and the glass cover.

SM87 PBMI is the same SM87 PBLI but without a latching mechanism fitted to actuator.

Input Parameters:

$U_i = 29 \text{ V}$

$I_i = 147 \text{ mA}$

$P_i = 800 \text{ mW}$

$C_i = 0$

$L_i = 0$

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02(C)0209

17 Special Conditions for Safe Use

The apparatus enclosure is made from a metal alloy which must be protected against impact to avoid a possible risk of ignition due to impact.

18 Essential Health and Safety Requirements

None additional to those covered by the standards listed at item 9

19 Drawings and Documents

Number	Issue	Date	Description
462-236	A	11.07.00	General Purpose Alarm Station Series SM87