

Certificate Number
Baseefa03ATEX0427



Issued 21st July 2003
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1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **Baseefa03ATEX0427**

4 Equipment or Protective System: **Heat Detector Type HD1**

5 Manufacturer: **MEDC Limited**

6 Address: **Pinxton, Nottingham, NG16 6JF**

7 This equipment or protective system 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. 03(C)0547

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 for 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. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

Ⓧ II 1 G EEx ia IIC T6 (-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. 03/0547

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.

Baseefa (2001) Ltd.

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1/10 R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



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Schedule

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Certificate Number Baseefa03ATEX0427

15 **Description of Equipment or Protective System**

The Heat Detector Type HD1 is a thermal switch which operates at a pre-determined temperature. The detector consist a normally open (N.O.) or normally closed (N.C.) voltage free thermal switch contained in a metallic tube which is affixed to a plastic junction box. Connections are made via a terminal strip contained in the junction box.

U_i = 30V
 I_i = 300mA

C_i = 0
 L_i = 0

16 **Report Number**

03(C)0547

17 **Special Conditions for Safe Use**

None

18 **Essential Health and Safety Requirements**

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
196-188	1	A	24.06.03	Heat Detector Type HD1 – GA
465-108	1	A	13.05.03	Heat Detector Type HD1 – Thermal switch
465-113	1	A	15.07.03	Heat Detector - Potting Details

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1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **Baseefa03ATEX0427/1**

4 Equipment or Protective System: **Heat Detector Type HD1**

5 Manufacturer: **MEDC Limited**

6 Address: **Pinxton, Nottingham, NG16 6JF**

7 This supplementary certificate extends EC - Type Examination Certificate No. Baseefa03ATEX0427 to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

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


Baseefa (2001) Ltd. Customer Reference No. 0676

Project File No. 04/0313

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Schedule

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Certificate Number Baseefa03ATEX0427/1

15 Description of the variation to the Equipment or Protective System

Variation 1.1

To permit use of alternative wiring arrangement, which includes the addition of two resistors or two diodes. The marking for this version of the equipment, Detector Type HD1R, will be: -

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

The input parameters for this version of the detector are: -

U_i = 30V
I_i = 300mA
P_i = 1.2W
C_i = 0
L_i = 0

16 Report Number

None

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
196-188	1	B	19-04-04	Heat Detector Type HD1 - GA