



EC-TYPE EXAMINATION CERTIFICATE

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

EC-Type Examination Certificate Number : **BAS00ATEX1181**

Equipment or Protective System: **TYPE BA385-IIC INTRINSICALLY SAFE SOUNDER**

Manufacturer: **BEKA ASSOCIATES**

Address: **Hitchin, Herts, SG5 2DA**

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

The Electrical Equipment Certification Service, notified body number 600 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 N°

00(C)0601 dated 26 October 2000

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 + Amds 1 & 2

EN 50020: 1994

EN 50284: 1999

except in respect of those requirements listed at item 18 of the Schedule.

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.

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.

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



II 1 G

EEx ia IIC T4 (-40°C ≤ T_a ≤ +60°C)

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

File No: **EECS 0121/02/017**

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire. SK17 9JN. United Kingdom
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I M CLEARE
DIRECTOR
8 November 2000



13 **Schedule**

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15 **Description of Equipment or Protective System**

The Type BA385-IIC Intrinsically Safe Sounder is designed to provide an audible warning when activated. The apparatus consists of a printed circuit board with terminal connectors, an inductive sounder, housed in a plastic enclosure. Electrical connection to the terminal connectors is made via a suitable cable entry device.

Terminal Block TB1 - Terminals 1 w.r.t. 4

$U_i = 28V$

$I_i = 110mA$

$P_i = 0.8W$

Terminal Block TB1 - Terminals 2 and 3 w.r.t. 4

$U_i = 28V$

$I_i = 0\text{ mA}$

VARIATION ONE

To permit the apparatus to be renamed as an A105N-IS-C or an 8492/111.

16 **Report No.**

00(C)0601

17 **Special Conditions For Safe Use**

None.

18. **Essential Health and Safety Requirements**

ESSENTIAL HEALTH & SAFETY REQUIREMENTS not covered by standards listed in Section 9		
Clause	Subject	Compliance
1.1.3	Changes in characteristics of materials and combinations thereof	Report No 00(C)0601 Clause 6.1.1.3
1.2.2	Components for incorporation or replacement	Report No 00(C)0601 Clause 6.1.2.2
1.2.5	Additional means of protection	Report No 00(C)0601 Clause 6.1.2.5
1.2.7	Protection against other hazards	Report No 00(C)0601 Clause 6.1.2.7
1.4.2	Withstanding attack by aggressive substances	Report No 00(C)0601 Clause 6.1.4.2



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Schedule

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DRAWINGS

Number	Sheet	Issue	Date	Description
*CI385-01	1	4	10.00	Contents Sheet
*CI385-01	2	4	10.00	Modification Record
*CI385-01	3	4	10.00	Circuit Diagram
*CI385-01	4	4	10.00	Parts List
*CI385-01	5	4	10.00	Parts List
*CI385-01	6	4	10.00	Track and Component Layout
*CI385-01	7	4	10.00	General Assembly
*CI385-01	9	4	10.00	Alternative Track & Component Layout
CI385-01	10	4	10.00	ATEX Certification Labels
CI385-01	11	4	10.00	ATEX Certification Information

The above drawings are held on BASEEFA Certificate BAS00ATEX1180

Drawings marked * are associated with BASEEFA Certificate No. Ex 98D2011/3 and Ex 98D2012/3

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BASEEFA List Keywords
2ALARMS