



Certificate No.:

0845 – CPD–232.1490

EC-CERTIFICATE OF CONFORMITY

Issued by Danish Institute of Fire and Security Technology. Notified body No. 0845

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive – CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction products

GFE detector type GFE-SH-2
GFE detector type GFE-SH-2L
GFE detector type GFE-SH-4-12
GFE detector type GFE-SH-4-24

Multi sensor detector smoke/heat
Multi sensor detector smoke/heat with output for LED
Multi sensor detector smoke/heat with 12V relay
Multi sensor detector smoke/heat with 24V relay

for applications related to automatic fire alarm systems

placed on the market by

Global Fire Equipment S.A.

M.A.R.F. – Sitio Guelhim,
Armazén F3 & F4
Caixa Postal 1-M,
8009-021, Faro
Portugal

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body Danish Institute of Fire and Security Technology (*Dansk Brand- og sikringsteknisk Institut*) has performed the initial type-testing for the relevant characteristics of the products, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all the provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard

EN54-5:2000

Fire detection and fire alarm systems – Part 5:
Heat detectors – Point detectors

were applied and that the products fulfils all the prescribed requirements.

The attached 3 annexes forms part of this certificate.

This certificate was first issued on 2009-03-10 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC it selves are not modified significantly.

This version of the certificate supersedes version issued 2005-07-27

DBI – Danish Institute of Fire and Security Technology

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OMFANG / EXTENT

Type <i>Type</i>	Beskrivelse <i>Description</i>	For systemer: Systemdelens certifikatnr. <i>For systems: Certificate no. for system parts</i>
GFE detector type GFE-SH-2	Multi sensor detector smoke/heat class A2	
GFE detector type GFE-SH-2L	Multi sensor detector smoke/heat class A2, with output for LED	
GFE detector type GFE-SH-4-12	Multi sensor detector smoke/heat class A2, with 12V relay	
GFE detector type GFE-SH-4-24	Multi sensor detector smoke/heat class A2, with 24V relay	
P/N 772912	2 wire base for detectors	
P/N 774912	4 wire base for detectors	
P/N 882912	2 wire base for detectors (high version)	
P/N 884912	4 wire base for detectors (high version)	

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Certifikat nr./ *Certificate no.*: 232.1490

Dato / *Date*: 2009-03-10

PRØVNINGSdokumentation / TEST DOCUMENTATION

Akkrediteret Laboratorium <i>Accredited laboratory</i>	Rapport nr. <i>Report no.</i>	Dato <i>Date</i>
DELTA	DANAK-199728	2004-06-04
DELTA	DANAK-199740	2004-10-18

Bilag / Annex: 3

Certifikat nr./Certificate no.: 232.1490

Dato / Date: 2009-03-10

TEKNISK GRUNDLAG / TECHNICAL BASIS

Betegnelse <i>Designation</i>	Identifikation <i>Identification</i>
Manual	NB326-S and NB326-SH Photoelectric Smoke Detector Installation Wiring Diagram Dated 2004-10-28 by DBI HSA
Diagrams	NB 338-2 circuit, NR416S-33801001, version 1.0, date 2004.01.10 NB 338-2H circuit, NR416S-33801002, version 1.0, date 2004.01.10 NB 338-2L circuit, NR416S-33801003, version 1.0, date 2004.01.10 NB 338-2HL circuit, NR416S-33801004, version B, date 2004.04.30 NB 338-4-12 circuit, NR416S-33801005, version B, date 2004.04.30 NB 338-4-24 circuit, NR416S-33801006, version B, date 2004.04.30 NB 338-4H-12 circuit, NR416S-33801007, version B, date 2004.04.30 NB 338-4H-24 circuit, NR416S-33801008, version B, date 2004.04.30
Bill of materials Schematic	NB 338-2 BOM, NR416S-33804001, version 2.0, date 2004.05.26 NB 338-2H BOM, NR416S-33804002, version 2.0, date 2004.05.26 NB 338-2L BOM, NR416S-33804003, version 2.1, date 2004.05.26 NB 338-2HL BOM, NR416S-33804004, version 2.1, date 2004.05.26 NB 338-4-12 BOM, NR416S-33804005, version 2.1, date 2004.05.26 NB 338-4-24 BOM, NR416S-33804006, version 2.1 date 2004.05.26 NB 338-4H-12 BOM, NR416S-33804007, version 2.1 date 2004.05.26 NB 338-4H-24 BOM, NR416S-33804008, version 2.1 date 2004.05.26

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TEKNISK GRUNDLAG / TECHNICAL BASIS

Betegnelse <i>Designation</i>	Identifikation <i>Identification</i>
PCB Layout	NB 338-2 Silkscreen overlay NR416S-33803023, version 1.2 date 2004.05.26 NB 338-2H Silkscreen overlay NR416S-33803024, version 1.2 date 2004.05.26 NB 338-2L Silkscreen overlay NR416S-33803025, version 1.2 date 2004.05.26 NB 338-2HL Silkscreen overlay NR416S-33803026, version 1.2 date 2004.05.26 NB 338-4(12V,24V)Silkscreen ov. NR416S-33803027, version 1.2 date 2004.05.26 NB 338-4H(12V,24V)Silkscreen o. NR416S-33803028, version 1.2 date 2004.05.26
Mechanical assembly	NB 338-2, 2I, 4-12, 4-24 NR416S-33802019, version 2.0 date 2004.05.26 NB 338-2H, 2HL, 4H-12, 4H-24 NR416S-33802020, version 2.0 date 2004.05.26
Labels	Copies of labels for the detectors: Signed at DBI 2004-10-28 by HSA

Bilag / Annex: 3

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TEKNISK GRUNDLAG / TECHNICAL BASIS

Betegnelse <i>Designation</i>	Identifikation <i>Identification</i>
Mechanical drawings	NB 338 Front cover NR416S-33802001, version 2.0 date 2004.05.26 NB 338 Heat front cover NR416S-33802002, version 2.0 date 2004.05.26 NB 338 Bottom casing NR416S-33802003, version 2.0 date 2004.05.26 NB 338 Base Casing NR416S-33802004, version 1.0 date 2004.01.10 NB 338 Chamber lid NR416S-33802006, version 1.0 date 2004.04.10 NB 338 Chamber botton NR416S-3380207, version 1.0 date 2004.01.10 NB 338 Chamber LED holder NR416S-33802008, version 1.0 date 2004.01.10 NB 338 Heat guard NR416S-33802009, version 1.0 date 2004.01.10 NB 338 Heat holder NR416S-33802010, version 1.0 date 2004.01.10 NB 338 Base shim 1 NR416S-33802011, version 1.0 date 2004.01.10 NB 338 Base shim 2 NR416S-33802012, version 1.0 date 2004.01.10 NB 338 Base shim 3 NR416S-33802013, version 1.0 date 2004.01.10 NB 338 Base shim 4 NR416S-33802014, version 1.0 date 2004.01.10 NB 338 Base shim 5 NR416S-33802015, version 1.0 date 2004.01.10 NB 338 Base shim 6 NR416S-33802016, version 1.0 date 2004.01.10 NB 338 Photodiode iron cover 7 NR416S-33802014, version 1.0 date 2004.01.10 NB 338 Base casing NR416S-33802004, version 1.0 date 2004.01.10 NB 338, 323 High base casing NR416S-88X912, version 1.0 date 2004.10.21