

## CERTIFICATE OF CONSTANCY OF PERFORMANCE

Issued by DBI Certification, notified body No. 2531.

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

<b>PHS202DH</b>	<b>Heat detector</b>
<b>PHS202DH-2-LED</b>	<b>Heat detector with output for LED</b>
<b>PHS202DH-4-12</b>	<b>Heat detector with 12V relay</b>
<b>PHS202DH-4-24</b>	<b>Heat detector with 24V relay</b>

The product fulfils the essential characteristic:

**See Annex 1**

Intended use: Applications related to automatic fire alarm systems

Placed on the market under the name or trade mark of:

**PH Svesis S.A.**  
**Vrises – 69<sup>th</sup> km National Road**  
**Athens, Lamia**  
**34100, Greece**

and produced in the manufacturing plant:

**CPA10001**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

**EN 54-5:2000/A1:2002** : **Fire detection and fire alarm systems - Part 5: Heat detectors - Point detectors**

under system 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

The attached annexes form part of this certificate.

Date of issue: **2020-01-20**.

This certificate will remain valid as long as neither the harmonized standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.

This certificate was first issued 2020-01-20.



Merete Poulsen  
Responsible for evaluation



Allan Laursen  
Responsible for certification decision

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**DBI Certification A/S**

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 **DANAK**  
Prod. Reg. Nr. 7023

Version 2019-10-02  
Page **1** of **4**

Annex 1

**EXTENT**

**Type:**

PHS202DH Multi sensor detector smoke/ heat.  
PHS202DH-2-LED Multi sensor detector smoke/ heat with output for LED  
PHS202DH-4-12 Multi sensor detector smoke/ heat with 12V relay.  
PHS202DH-4-24 Multi sensor detector smoke/ heat with 24V relay.

**Bases:**

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)

**Performance**

Essential characteristics	Clauses in EN 54-5:2000	Performance
Nominal activation conditions/Sensitivity, Response delay (response time) and Performance under fire conditions	4.2, 4.3, 5.2 to 5.6, 5.8, 6.1, 6.2 (6.1 only Suffix S det./6.2 only Suffix R det.)	Pass
Operational reliability	4.4 to 4.11	Pass
Tolerance to supply voltage	5.7	Pass
Durability of operational reliability and response delay; temperature resistance	5.9, 5.10	Pass
Durability of operational reliability; vibration resistance	5.14 to 5.17	Pass
Durability of operational reliability; humidity resistance	5.11, 5.12	Pass
Durability of operational reliability; corrosion resistance	5.13	Pass
Durability of operational reliability; electrical stability	5.18	Pass

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Annex 2

**TEST DOCUMENTATION**

Accredited Laboratory	Report no.	Date
DELTA	DANAK – 199728 Project no.: E810164-2	2004-06-04
DELTA	Statement concerning alternative base for detectors	2004-09-03

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Annex 3

**TECHNICAL BASIS**

File Number	Title	Date
Manual	NB323 Rate of Rise with fixed Temperature Detector Installation Wiring Diagram, NB022K001, Version 2.0	2003/12/20
Diagram	NB323.2 NB022C001 Version 2.0 NB323.2L NB022C002 Version 2.0 NB323-4-12 NB022C003 Version 2.0 NB323-4-24 BN323C004 Version 2.0	2003/12/20 2003/12/20 2003/12/20 2003/12/20
Bill of Materials Schematic	NB323.2 BOM NB022H001 Version 2.1 NB323.2L BOM NB022H002 Version 2.1 NB323-4-12 BOM NB022H003 Version 2.1 NB323-4-24 BOM NB022H004 Version 2.1	2004/05/20 2004/05/20 2004/05/20 2004/05/20
PCB-Layout Schematic	For NB323-2: NB022L001 to NB022L011, Version 2.0 For NB323-2L: NB022L001 to NB022L011, Version 2.0 For NB323-4-12: NB022L001 to NB022L011, Version 2.0 For NB323-4-24: NB022L001 to NB022L011, Version 2.0	2003/12/20 2003/12/20 2003/12/20 2003/12/20
Software	Source Code listing Version 2.0	2003/12/20
Mechanical assembly	NB323 mechanical assemb. NB022M00D Version 2.0 NB323.2 front cover NB022M001 Version 2.1 NB323 Heat guide NB022M002 Version 2.0 NB323 bottom casting NB022M005 Version 2.1 NB323 Shim6 NB022M006 Version 2.0 NB323 shim1 NB022M009 Version 2.0 NB323 clip NB022M010 Version 2.0	2003/12/20 2004/05/20 2003/12/20 2004/05/20 2003/12/20 2003/12/20 2003/12/20

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