Certificate No.: 2531-CPR-CSP11189

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

PHS202DH	**Heat detector**
PHS202DH-2-LED	**Heat detector with output for LED**
PHS202DH-4-12	**Heat detector with 12V relay**
PHS202DH-4-24	**Heat detector with 24V relay**

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 - 69th 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: **2020-10-23**.

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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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 supersedes the previous version of this certificate issued 2020-01-20)

This certificate was first issued 2020-01-20.

Merete Poulsen
Responsible for evaluation

Thomas Wilson
Responsible for certification decision

DANAK
Prod. Reg. Nr. 7023

DBI Certification A/S
Jernholmen 12, 2650 Hvidovre
Tlf.: 36 34 90 90
E-mail: info@dbicertification.dk
www.dbicertification.dk

Annex 1

EXTENT

Type:

PHS202DH	Heat detector
PHS202DH-2-LED	Heat detector with output for LED
PHS202DH-4-12	Heat detector with 12V relay
PHS202DH-4-24	Heat detector 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

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

Annex 3

TECHNICAL BASIS

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