Protec Fire Detection plc

Declaration of Performance (DoP)

CE

According to Construction Products Regulation (EU) No 305/2011
Declaration number: **PFD-CPR-0029**

1. Unique identification code of the product-type:

   6000PLUS/OPHT/S

2. Identification of the construction product as required under Article 11(4) of the CPR:

   Analogue addressable multi-sensor with sounder and short circuit isolator

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

   Fire detection and fire alarm systems for use in and around buildings

4. Name and address of the manufacturer as required under Article 11(5):

   Protec Fire Detection plc, Protec House, Churchill Way, Nelson, Lancashire, BB9 6RT, ENGLAND
   Telephone number: + 44 (0)1282 717171
   Fax number: +44 (0)1282 717273
   Web: www.protec.co.uk

5. Name and contact address of authorized representative whose mandate covers the tasks specified in Article 12(2)

   Alan Palmer – Group Conformity Manager (address as above)

6. System of assessment and verification of constancy of performance of the construction product as set out in Annex V:

   System 1

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

   Notified Body: BRE, Bucknalls Lane, Watford, England WD25 9XX Telephone: +44 01923 664000
   Notified Body number : 0832

   performed the type testing and initial inspection of the manufacturing plant and of factory production control with continuous surveillance, assessment and evaluation of factory production control under system 1 and issued the following EC certificate of conformity: **0832-CPD-1170**

8. In the case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: (**Not applicable, see item 7)**

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9. Declared performance:

All requirements including the Essential Characteristics and the corresponding performances for the intended use or uses indicated in (3), above have been determined as described in the harmonised European standard(s) (hEN) mentioned in the following table.

Essential characteristics	Performance	Harmonised technical specification (hEN)	
Performance under fire condition	Pass	4.2, 4.3. 5.2, 5.3,	EN 54-3:2001 + A1: 2002
Operational reliability	Pass	4.4, 4.5, 4.6, 5.4,	EN 54-3:2001 + A1: 2002
Durability of operational reliability, temperature resistance	Pass	5.5, 5.7, 5.8, 5.9	EN 54-3:2001 + A1: 2002
Durability of operational reliability, humidity resistance	Pass	5.8, 5.9,	EN 54-3:2001 + A1: 2002
Durability of operational reliability, corrosion resistance	Pass	5.11	EN 54-3:2001 + A1: 2002
Durability of operational reliability, shock and vibration resistance	Pass	5.12 to 5.15	EN 54-3:2001 + A1: 2002
Durability of operational reliability, electrical stability	Pass	5.16	EN 54-3:2001 + A1: 2002
Durability of operational reliability, resistance to ingress	Pass	5.17	EN 54-3:2001 + A1: 2002
Operational reliability	Pass	4.2, 4.3, 5.2 to 5.6, 5.8 6.1, 6.2	EN 54-5:2000 + A1: 2002
Tolerance to supply voltage	Pass	4.4 to 4.11	EN 54-5:2000 + A1: 2002
Durability of operational reliability and response delay, temperature resistance	Pass	5.7	EN 54-5:2000 + A1: 2002
Durability of operational reliability, vibration resistance	Pass	5.9, 5.10	EN 54-5:2000 + A1: 2002
Durability of operational reliability, humidity resistance	Pass	5.14, 5.12	EN 54-5:2000 + A1: 2002
Durability of operational reliability, corrosion resistance	Pass	5.13	EN 54-5:2000 + A1: 2002
Durability of operational reliability, electrical stability	Pass	5.18	EN 54-5:2000 + A1: 2002
Nominal activation condition/sensitivity response delay (response time) and performance under fire condition	Pass	4.8, 5.2, 5.3, 5.4, 5.6, 5.7, 5.18	EN 54-7:2000 + A1: 2002
Operational reliability	Pass	4.2 to 4.7, 4.9 to 4.11	EN 54-7:2000 + A1: 2002
Tolerance to supply voltage	Pass	5.5	
Durability of operational reliability and response delay, temperature resistance	Pass	5.8, 5.9	EN 54-7:2000 + A1: 2002
Durability of operational reliability, vibration resistance	Pass	5.13, 5.16	EN 54-7:2000 + A1: 2002
Durability of operational reliability, humidity resistance	Pass	5.10, 5.11	EN 54-7:2000 + A1: 2002
Durability of operational reliability, corrosion resistance	Pass	5.12	EN 54-7:2000 + A1: 2002
Durability of operational reliability, electrical stability	Pass	5.17	EN 54-7:2000 + A1: 2002

Performance under fire conditions	Pass	5.2	EN 54-17:2005
Operational reliability	Pass	4	EN 54-17:2005
Durability of operational reliability, temperature resistance	Pass	5.4, 5.5	EN 54-17:2005
Durability of operational reliability, vibration resistance	Pass	5.9 to 5.12	EN 54-17:20055
Durability of operational reliability, humidity resistance	Pass	5.6, 5.7	EN 54-17:2005
Durability of operational reliability, corrosion resistance	Pass	5.8	EN 54-17:2005
Durability of operational reliability, electrical stability	Pass	5.3, 5.13	EN 54-17:2005

10. The performance of the product indentified in (1) and (2), is in conformity with the declared performance in (9). This declaration of performance is issued under the sole responsibility of the manufacturer indentified in (4)

Declaration of Conformity

This Declaration of Performance also serves as a **CE Declaration of Conformity** for the product regarding the following additional European Directives:

- **Electromagnetic Compatibility Regulation** 2006 SI No.2006/3148. (which implements the Council Directive 2004/108/EC "the EMC Directive")

European Harmonised standard (hEN): **EN 50130-4:2011**

- **Electrical Equipment (Safety) Regulation** 1994 SI 3260 (which implements Council Directive 2006/95/EC the "Low Voltage Directive"):

European Harmonised standard (hEN): **EN 60950-1:2006/A11:2009**

- **The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment** Regulations 2012 No. 3032 (which implements Council Directive 2011/65/EU the "RoHS2 Directive"):

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The named product complies with all applicable Essential Requirements of the Directives.

Signed for and on behalf of the manufacturer:

Khellaffariz

Name: Dr Fariz Khellaf
Position: Technical Director

Protec Fire Detection PLC,
Lomeshaye Industrial Estate,
Churchill Way, Nelson.
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July 1st 2013