Protec Fire Detection plc

Declaration of Performance (DoP)

CE

According to Construction Products Regulation (EU) No 305/2011
Declaration number: **PFD-CPR-0152**

1. Unique identification code of the product-type:

   6000/BEAM/IF

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

   6000 Series Beam Detector interface

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: BSI Group The Netherlands B.V. Say Building, John M. Keynesplein 9, 1066 EP, Amsterdam.
   Country : Netherlands Phone : +31 (0)20 346 07 80
   Email : info.nl@bsigroup.com
   Notified Body number : 2797

   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 Certificate of Constancy of Performance: **2797 CPR 589456**

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 conditions			
Reproducibility	Pass	5.2	EN 54-17:2005
Operational reliability			
Requirements	Pass	4	EN 54-17:2005
Durability of Operational Reliability			
Dry heat	Pass	5.4	EN 54-17:2005
Cold (operational)	Pass	5.5	EN 54-17:2005
Damp heat, cyclic (operational)	Pass	5.6	EN 54-17:2005
Damp heat, steady state (endurance)	Pass	5.7	EN 54-17:2005
Sulphur dioxide (SO2) corrosion	Pass	5.8	EN 54-17:2005
Shock (operational)	Pass	5.9	EN 54-17:2005
Impact (operational)	Pass	5.10	EN 54-17:2005
Vibration, sinusoidal (operational)	Pass	5.11	EN 54-17:2005
Vibration, sinusoidal (endurance)	Pass	5.12	EN 54-17:2005
Durability of Operational Reliability, Electrical Stability			
Variation of supply parameters	Pass	5.3	EN 54-17:2005
Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.13	EN 54-17:2005

Essential characteristics	Performance	Harmonised technical specification (hEN)	
Response Delay (response time)			
Performance and variation of supply parameters	Pass	5.2	EN 54-18:2005
Performance under fire conditions			
Functional test	Pass	5.1.4	EN 54-18:2005
Operational reliability			
Functional test	Pass	5.1.4	EN 54-18:2005
Durability of Operational Reliability			
Dry heat	Pass	5.3	EN 54-18:2005
Cold (operational)	Pass	5.4	EN 54-18:2005
Damp heat, cyclic (operational)	Pass	5.5	EN 54-18:2005
Damp heat, steady state (endurance)	Pass	5.6	EN 54-18:2005
Sulphur dioxide (SO2) corrosion	Pass	5.7	EN 54-18:2005
Shock (operational)	Pass	5.8	EN 54-18:2005
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Vibration, sinusoidal (endurance)		5.11	EN 54-18:2005
Durability of Operational Reliability, Electrical Stability			
Performance and variation of supply parameters	Pass	5.2	EN 54-18:2005
Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.12	EN 54-18:2005

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 2014/30/EU) "the EMC Directive")

  Relevant standards:

  - ❖ EN 50130-4:2011+A1:2014 *Alarm systems. Electromagnetic compatibility. Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems*

  - ❖ EN 61000-6-3:2007+A1:2011 *Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial and light-industrial environment*

- **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")

  Relevant standard:

  - ❖ BS EN IEC 63000:2018 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

- **The Electrical Equipment (Safety) Regulations 2016** which implements Council Directive 2014/35/EU the "Low Voltage Directive")

- **"The Waste Electrical and Electronic Equipment regulations"** (which implements the Council Directive 2012/19/EU ("The WEEE 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:

Name: Alan Palmer
Position: Group Conformity Manager

Protec Fire Detection PLC,
Lomeshaye Industrial Estate,
Churchill Way, Nelson.
Lancashire. England, BB9 6RT

Reviewed and revised 23/06/2020