

Declaration of Performance (DoP)



According to Construction Products Regulation (EU) No 305/2011
Declaration number: **PFD-CPR-0085**

1. Unique identification code of the product-type:

6000P/HT/SVAD

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

Analogue addressable heat detector with sounder, visual alarm 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)

Not applicable

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: Intertek Testing and Certification Ltd, Cleeve Road, Leatherhead, Surrey, KT22 7SB.

Telephone: +44(0)1372 370900, Fax: +44(0)1372 370977, E-mail: cpd.uk@intertek.com

Notified Body number : 0359

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: **0359-CPR-00407**

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)**

Declaration of Performance (DoP)

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, C.3.1,C.3.2,C.5.1,C.5.3 | EN 54-3:2001 + A1: 2002 +A2:2006 |
| Operational reliability | Pass | 4.4, 4.5, 4.6, 5.4, C4 | EN 54-3:2001 + A1: 2002 +A2:2006 |
| Durability of operational reliability, temperature resistance | Pass | 5.5, 5.7, 5.8, 5.9 | EN 54-3:2001 + A1: 2002 +A2:2006 |
| Durability of operational reliability, humidity resistance | Pass | 5.8, 5.9,5.10 | EN 54-3:2001 + A1: 2002 +A2:2006 |
| Durability of operational reliability, corrosion resistance | Pass | 5.11 | EN 54-3:2001 + A1: 2002 +A2:2006 |
| Durability of operational reliability, shock and vibration resistance | Pass | 5.12 to 5.15 | EN 54-3:2001 + A1: 2002 +A2:2006 |
| Durability of operational reliability, electrical stability | Pass | 5.16 | EN 54-3:2001 + A1: 2002 +A2:2006 |
| Durability of operational reliability, resistance to ingress | Pass | 5.17 | EN 54-3:2001 + A1: 2002 +A2:2006 |
| Essential characteristics | Performance | Harmonised technical specification (hEN) | |
| Nominal activation conditions, sensitivity, response delay (response time) and performance under fire conditions | Pass | 4.2, 4.3, 5.2 to 5.6, 5.8 6.1, 6.2 | EN 54-5:2000 + A1: 2002 |
| Operational reliability | Pass | 4.4 to 4.11 | EN 54-5:2000 + A1: 2002 |
| Tolerance to supply voltage | Pass | 5.7 | EN 54-5:2000 + A1: 2002 |
| Durability of operational reliability and response delay, temperature resistance | Pass | 5.9, 5.10 | EN 54-5:2000 + A1: 2002 |
| Durability of operational reliability, vibration resistance | Pass | 5.14 to 5.17 | EN 54-5:2000 + A1: 2002 |
| Durability of operational reliability, humidity resistance | Pass | 5.11, 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 |
| Essential characteristics | Performance | Harmonised technical specification (hEN) | |
| Performance under fire conditions | Pass | 5.2 | EN 54-17:2005+AC:2007 |
| Operational reliability | Pass | 4 | EN 54-17:2005+AC:2007 |
| Durability of operational reliability, temperature resistance | Pass | 5.4, 5.5 | EN 54-17:2005+AC:2007 |
| Durability of operational reliability, vibration resistance | Pass | 5.9 to 5.12 | EN 54-17:2005+AC:2007 |
| Durability of operational reliability, humidity resistance | Pass | 5.6, 5.7 | EN 54-17:2005+AC:2007 |
| Durability of operational reliability, corrosion resistance | Pass | 5.8 | EN 54-17:2005+AC:2007 |
| Durability of operational reliability, electrical stability | Pass | 5.3, 5.13 | EN 54-17:2005+AC:2007 |

| Essential characteristics | Performance | Harmonised technical specification (hEN) | |
|--|-------------|---|---------------|
| Operational reliability: <i>Duration of operation</i> <i>Provision for external conductors</i> <i>Flammability of materials</i> <i>Enclosure protection</i> <i>Access</i> <i>Manufacturers adjustments</i> <i>On-site adjustment of behaviour</i> <i>Requirements for software controlled devices</i> | Pass | 4.2.1 4.2.2. 4.2.3 4.2.4 4.2.5 4.2.6 4.2.7 4.2.8 | EN 54-23:2010 |
| Performance parameters under fire condition: <i>Coverage volume</i> <i>Variation of light output</i> <i>Minimum and maximum light intensity</i> <i>Light colour</i> <i>Light temporal pattern and frequency of flashing</i> <i>Marking and data</i> <i>Synchronisation (option with requirements)</i> | Pass | 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.3.7 | EN 54-23:2010 |
| Durability: Temperature resistance <i>Dry heat (operational)</i> <i>Dry heat (endurance)</i> <i>Cold (operational)</i> Humidity resistance <i>Damp heat, cyclic (operations)</i> <i>Damp heat, steady state (endurance)</i> <i>Damp heat, cyclic(endurance)</i> Shock and vibration resistance <i>Shock (operational)</i> <i>Impact (operational)</i> <i>Vibration (operational)</i> <i>Vibration (endurance)</i> Corrosion resistance <i>SO2 corrosion (endurance)</i> Electrical stability <i>EMC, immunity (operational)</i> | Pass | 4.4.1.1 4.4.1.2 4.4.1.3 4.4.2.1 4.4.2.2 4.4.2.3 4.4.3.1 4.4.3.2 4.4.3.3 4.4.3.4. 4.4.4 4.4.5 | EN 54-23:2010 |

10. The performance of the product identified 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 identified 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 standards (hEN):

EN 50130-4:2011 (immunity tests in conjunction with external type testing)
EN 61000-4:2007/A1:2011 (emission tests, self-declared through arranged tests)

- **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:

Khellaf Fariz

Name: Dr Fariz Khellaf

Position: Technical Director

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

July 20th 2015

