

## Declaration of Performance (DoP)



According to Construction Products Regulation (EU) No 305/2011  
Declaration number: **PFD-CPR-0061**

1. Unique identification code of the product-type:

**6000/2IO**

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

**2 Way Input/Output Interface with short circuit isolation**

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](http://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, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, England MK5 8PP.**

**Tel: +44 845 080 9000. Website : [www.bsigroup.co.uk](http://www.bsigroup.co.uk)**

**Notified Body number : 0086**

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: **0086-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)	
<b>Response Delay (response time)</b>			
Performance and variation of supply parameters	Pass	5.2	EN 54-18:2005
<b>Performance under fire conditions</b>			
Functional test	Pass	5.1.4	EN 54-18:2005
<b>Operational reliability</b>			
Functional test	Pass	5.1.4	EN 54-18:2005
<b>Durability of Operational Reliability</b>			
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 (SO <sub>2</sub> ) corrosion	Pass	5.7	EN 54-18:2005
Shock (operational)	Pass	5.8	EN 54-18:2005
Impact (operational)	Pass	5.9	EN 54-18:2005
Vibration, sinusoidal (operational)	Pass	5.10	EN 54-18:2005
Vibration, sinusoidal (endurance)		5.11	EN 54-18:2005
<b>Durability of Operational Reliability, Electrical Stability</b>			
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

Essential characteristics	Performance	Harmonised technical specification (hEN)	
<b>Performance under fire conditions</b>			
Reproducibility	Pass	5.2	EN 54-17:2005
<b>Operational reliability</b>			
Requirements	Pass	4	EN 54-17:2005
<b>Durability of Operational Reliability</b>			
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 (SO <sub>2</sub> ) 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
<b>Durability of Operational Reliability, Electrical Stability</b>			
Variation of supply parameters	Pass	5.3	EN 54-17:2005
Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.13	EN 54-17:2005

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:

Khellaffariz

**Name: Dr Fariz Khellaf**  
**Position: Technical Director**

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

**August 29th 2013**

