



## Declaration of Performance – DOP0000071

*According to Construction Products Regulation EU N° 305/2011*

**1. Unique Product identification code:**

XFP501E/CA

**2. Type number** allowing identification of the construction product as required pursuant to Article 11(4):

XFP Single Loop, 16 Zone Analogue Addressable Control and Indicating Equipment, CAST Protocol (XFP501E/CA), plastic housing

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

Control and indicating equipment for use in Fire detection and fire alarm systems to EN54-2: 1997 + A1: 2006

Power supply equipment for use in Fire detection and fire alarm systems to EN 54-4: 1997 + A2: 2006

**4. Name, registered trade name** or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

Computationics Limited (C-TEC)  
Challenge Way, Martland Park, Wigan, WN5 0LD. United Kingdom  
Tel: 01942 322744. Fax: 01942 829867

**5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):**

Not Applicable

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

System 1

**7. Notified body**, in the case of the declaration of performance concerning a construction product covered by a harmonized standard:

Loss Prevention Certification Board (LPCB) (Notified body number 0832)  
BRE Global,  
Bucknalls Lane, Garston,  
Watford, WD25 9XX  
United Kingdom

**has performed type testing and the initial inspection of the manufacturing plant and of factory production control with continuous surveillance, assessment and approval of the factory production control under system 1 and issued following certificate of constancy of performance / certificate of conformity:**

XFP501E/CA: 2831-CPR-F2522

**8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:**

Not applicable, see item 7

**9(a). Declared performance:**



All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in 3. above have been determined as described in the hEN mentioned in the following table.

Harmonised Technical Specification		EN54-2: 1997 + A1: 2006
Essential Characteristics	Performance	Clause
Performance under fire conditions		
- General requirements	Pass	4
- General requirements for indications	Pass	5
- The fire alarm condition	Pass	7
Response delay (response time to fire)		
- Reception and processing of fire signal	Pass	7.1
- Output of the fire alarm condition	Pass	7.7
- Output to fire alarm device(s) (option with requirements) <sup>(1)</sup>	Pass	7.8
- Delays to outputs (option with requirements) <sup>(1)</sup>	Pass	7.11
- Dependencies on more than one alarm signal (option with requirements) <sup>(1)</sup>	Pass	7.12
- Type A dependency (option with requirements) <sup>(1)</sup>	Pass	7.12.1
- Type B dependency (option with requirements) <sup>(1)</sup>	Pass	7.12.2
- Type C dependency (option with requirements) <sup>(1)</sup>	Pass	7.12.3
- Alarm Counter (option with requirements) <sup>(1)</sup>	Pass	7.13
Operational reliability		
- General requirements	Pass	4
- General requirements for indications	Pass	5
- The quiescent condition	Pass	6
- The fire alarm condition	Pass	7
- Fault warning condition	Pass	8
- Fault signals from points (option with requirements) <sup>(1)</sup>	Pass	8.3
- Disabled condition	Pass	9
- Disablement of addressable points (option with requirements) <sup>(1)</sup>	Pass	9.5
- Test condition (option with requirements) <sup>(1)</sup>	Pass	10
- Design requirements	Pass	12
- Additional design requirements for software controlled control and indicating equipments	Pass	13
- Marking	Pass	14
Durability of operational reliability, Temperature resistance		
- Cold (operational)	Pass	15.4
Durability of operational reliability, Vibration resistance		
- Impact (operational)	Pass	15.6
- Vibration, sinusoidal (operational)	Pass	15.7
- Vibration, sinusoidal (endurance)	Pass	15.15
Durability of operational reliability, Electrical stability		
- Electrical Compatibility (EMC), Immunity tests	Pass	15.8
- Supply voltage variation (operational)	Pass	15.13
Durability of operational reliability: humidity resistance		
- Damp heat, steady state (operational)	Pass	15.5
- Damp heat, steady state (endurance)	Pass	15.14
<sup>(1)</sup> For compliance with this standard it is not necessary to provide the optional functions specified in the standard. However, if a manufacturer chooses to include any of these options in the equipment, then the associated requirements shall be met and have to be included in type testing and certification.		

**9(b). Declared performance:**



All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in 3. above have been determined as described in the hEN mentioned in the following table.

Harmonised Technical Specification		EN54-4: 1997 + A2: 2006
Essential Characteristics	Performance	Clause
Performance of power supply		
- General requirements	Pass	4
- Functions	Pass	5
- Materials, design and manufacture	Pass	6
Operational reliability		
- General requirements	Pass	4
- Functions	Pass	5
- Materials, design and manufacture	Pass	6
- Documentation	Pass	7
- Marking	Pass	8
Durability of operational reliability (temperature resistance)		
- Cold (operational)	Pass	9.5
Durability of operational reliability (vibration resistance)		
- Impact (operational)	Pass	9.7
- Vibration, sinusoidal (operational)	Pass	9.8
- Vibration, sinusoidal (endurance)	Pass	9.15
Durability of operational reliability (electrical stability)		
- Electrical Compatibility (EMC), - Immunity tests (operational)	Pass	9.9
Durability of operational reliability (humidity resistance)		
- Damp heat, steady state (operational)	Pass	9.6
- Damp heat, steady state (endurance)	Pass	9.14
Products covered by this standard are assumed to function during the alarm condition, in an event fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.		

#### 10. Empowered Signatory of Company

Name: Stephen Brown

Position: Research & Development Manager

Signature:

Date: 23 January 2020