



Declaration of Performance – DOP0000067 EU ***According to Construction Products Regulation EU N° 305/2011***

1. Unique Product identification code:

HP402, HP414, HP416, HP408

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

HUSH PRO Programmable heat detector with short circuit isolator (HP402)
HUSH PRO Multisensor detector with short circuit isolator (HP414)
HUSH PRO Optical smoke detector with short circuit isolator (HP416)
HUSH PRO Detector standard base (HP408)

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

Models HP402 and HP414:

Heat detectors – point detectors - for use in Fire detection and fire alarm systems to EN 54-5:2017 + A1:2018

Models HP414 and HP416:

Smoke detectors - Point detector using scattered light, transmitted light or ionization - for use in Fire detection and fire alarm systems to EN 54-7: 2018

Models HP402, HP414, HP416:

Short-circuit isolators for use in Fire detection and fire alarm systems in buildings to EN 54-17: 2005

Model HP414:

Requirements and test methods for multisensor detectors, which respond to smoke and heat, and smoke detectors with more than one smoke sensor for use in Fire detection and fire alarm systems in buildings to CEA 4021: 2003

4. Name, registered trade name or registered trademark 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 2831)
BRE Global Assurance (Ireland) Limited
DCU Alpha, Old Finglas Road,
Glasnevin, Dublin, D11 KXN4
Ireland



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:

HP402: 2831-CPR-F2271

HP414: 2831-CPR-F2270

HP416: 2831-CPR-F2269

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 applicable to models HP402 and HP414:

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.

Technical Specification		EN 54-5: 2017 + A1:2018
Essential Characteristics	Performance	Clause
Nominal activation conditions/Sensitivity, Response delay (response time) and Performance under fire conditions - Classification - Position of heat sensitive elements - Directional dependence - Static response temperature - Response times from typical application temperature - Response times from 25°C - Response times from high ambient temperatures (dry heat operational) - Reproducibility - Test for suffix S detectors - Test for suffix R detectors	Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass	4.2 4.3 5.2 5.3 5.4 5.5 5.6 5.8 6.1 6.2
Operational reliability - Individual alarm indication - Connection of auxiliary devices - Monitoring of detachable detectors - Manufacturer's adjustments - On-site adjustment of response behaviour - Marking - Data - Additional requirements for software controlled detectors	Pass Pass Pass Pass Pass Pass Pass Pass	4.4 4.5 4.6 4.7 4.8 4.9 4.10 4.11
Tolerance to supply voltage - Variation in supply parameters	Pass	5.7
Durability of operational reliability and response delay; temperature resistance - Cold (operational) - Dry heat (endurance)	Pass Pass	5.9 5.10
Durability of operational reliability; vibration resistance - Shock (operational) - Impact (operational) - Vibration, sinusoidal (operational) - Vibration, sinusoidal (endurance)	Pass Pass Pass Pass	5.14 5.15 5.16 5.17
Durability of operational reliability; humidity resistance - Damp heat, cyclic (operational) - Damp heat, steady state (endurance)	Pass Pass	5.11 5.12
Durability of operational reliability; corrosion resistance - Sulfur dioxide (SO₂) corrosion (endurance)	Pass	5.13
Durability of operational reliability; electrical stability - Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.18
<i>Note: HUSH PRO detector model number HP414 (Multisensor Fire Detector) also has a declared performance in section 9(b) relating to EN 54-7: 2018.</i>		



9(b). Declared performance applicable to models HP414 and HP416:

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.

Technical Specification		EN 54-7: 2018
Essential Characteristics	Performance	Clause
Nominal activation conditions/Sensitivity, Response delay (response time) and Performance under fire conditions - Response to slowly developing fires - Repeatability - Directional dependence - Reproducibility - Air movement - Dazzling - Fire sensitivity	Pass Pass Pass Pass Pass Pass Pass	4.8 5.2 5.3 5.4 5.6 5.7 5.18
Operational reliability - Individual alarm indication - Connection to ancillary devices - Monitoring of detachable detectors - Manufacturer's adjustments - On-site adjustment of response behaviour - Protection against the ingress of foreign bodies - Marking - Data - Additional requirements for software controlled detectors	Pass Pass Pass Pass Pass Pass Pass Pass Pass	4.2 4.3 4.4 4.5 4.6 4.7 4.9 4.10 4.11
Tolerance to supply voltage - Variation in supply parameters	Pass	5.5
Durability of operational reliability and response delay; temperature resistance - Dry heat (operational) - Cold (operational)	Pass Pass	5.8 5.9
Durability of operational reliability; vibration resistance - Shock (operational) - Impact (operational) - Vibration, sinusoidal (operational) - Vibration, sinusoidal (endurance)	Pass Pass Pass Pass	5.13 5.14 5.15 5.16
Durability of operational reliability; humidity resistance - Damp heat, steady state (operational) - Damp heat, steady state (endurance)	Pass Pass	5.10 5.11
Durability of operational reliability; corrosion resistance - Sulfur dioxide (SO₂) corrosion (endurance)	Pass	5.12
Durability of operational reliability; electrical stability - Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.17
<i>Note: HUSH PRO detector model number HP414 (Multisensor Fire Detector) also has a declared performance in section 9(a) relating to EN 54-5:2017 + A1:2018.</i>		



9(c). Declared performance applicable to models HP402, HP414 and HP416:

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 British Standard mentioned in the following table.

Technical Specification		EN 54-17: 2005
Essential Characteristics	Performance	Clause
Performance under fire conditions - Reproducibility ⁽¹⁾	Pass	5.2
Operational reliability - General requirements	Pass	4
Durability of operational reliability (temperature resistance) - Dry heat (operational) - Cold (operational)	Pass Pass	5.4 5.5
Durability of operational reliability (vibration resistance) - Shock (operational) - Impact (operational) - Vibration, sinusoidal (operational) - Vibration, sinusoidal (endurance)	Pass Pass Pass Pass	5.9 5.10 5.11 5.12
Durability of operational reliability (humidity resistance) - Damp heat, cyclic (operational) - Damp heat, steady state (operational)	Pass Pass	5.6 5.7
Durability of operational reliability (corrosion resistance) - Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.8
Durability of operational reliability (electrical stability) - Variation in supply voltage - Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass Pass	5.3 5.13
⁽¹⁾ This is assuming that the effect of the fire is to cause a short circuit in the transmission path that is protected by these devices.		

10. Empowered Signatory of Company

Name: Daniel Foster

Position: Head of Science

Signature: 

Date: 1 March 2022