

Certificate of Constancy of Performance

This is to certify that:

Protec Fire Detection plc

Protec House
Lomeshaye Industrial Estate
Churchill Way
Nelson
BB9 6RT
United Kingdom

Holds Certificate No:

0086-CPR-575026

In respect of:

EN 54-2:1997 + A1 + AC and EN 54-4:1998 + A1 & A2

Control and Indicating Equipment and Power Supply Equipment.

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the above construction product.

This certificate attests that all the provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the above standards under system 1+/1 are applied and that the products fulfil all the prescribed requirements set out above.

For and on behalf of BSI,
a Notified Body for the above Regulation
(Notified Body Number 0086):



Gary Fenton, Global Assurance Director

This certificate remains valid as long as the test methods and/or factory production control requirements included in the harmonised standard(s), used to assess the performance of the declared characteristics, do not change and the product(s), and the manufacturing conditions in the plant(s) are not modified significantly.

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No. **0086-CPR-575026**

Manufacturing Plant

Protec Fire Detection plc

Protec House
Churchill Way
Lomeshaye Industrial Estate
Nelson
BB9 6RT
United Kingdom

Product Information

EN 54-2:1997 + A1 + AC and EN 54-4:1998 + A1 & A2

Conventional Control and Indicating Equipment

| Model Reference | Type |
|-----------------|--|
| Smartzone | 8 Zone Conventional Control and Indicating Equipment |

Certified for use with Protec Fire Detection plc fire detection and alarm devices.

Note¹: *The Smartzone CIE is also certified as suitable for use in alternative languages.*

Options with requirements

Certified with the following options with requirements from EN 54-2:1997:

Output to fire alarm devices (clause 7.8)
Output to fire alarm routing equipment (clause 7.9.1)
Delays to outputs (clause 7.11)
Type C dependency (clause 7.12.3)
Alarm counter (clause 7.13)
Fault signals from points (clause 8.3)
Test condition (clause 10)

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| Model Reference | Type |
|-----------------|--|
| 3502 | 2 Zone Conventional Control and Indicating Equipment |
| 3504 | 4 Zone Conventional Control and Indicating Equipment |
| 3508 | 8 Zone Conventional Control and Indicating Equipment |

Certified for use with Protec Fire Detection plc fire detection and alarm devices.

Options with requirements

Certified with the following options with requirements from EN 54-2:1997:

Output to fire alarm devices (clause 7.8)
Delays to outputs (clause 7.11)
Type C dependency (clause 7.12.3)
Test condition (clause 10)

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Addressable Control and Indicating Equipment

| Model Reference | Type |
|-----------------|---|
| 6100 | 1 Loop Addressable Control and Indicating Equipment |

Certified for use with Protec Fire Detection plc fire detection and alarm devices.

Note¹: *The 6100 CIE is also certified as suitable for use in alternative languages.*

Options with requirements

Certified with the following options with requirements from EN 54-2:1997:

- Output to fire alarm devices (clause 7.8)
- Output to fire alarm routing equipment (clause 7.9.1)
- Delays to outputs (clause 7.11)
- Type C dependency (clause 7.12.3)
- Alarm counter (clause 7.13)
- Fault signals from points (clause 8.3)
- Test condition (clause 10)

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Appendix 1

| Harmonised Technical Specification | | EN 54-2:1997 + A1 |
|--|-------------|-------------------|
| 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 signals | Pass | 7.1 |
| Output of the fire alarm condition | Pass | 7.7 |
| 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 |
| Disabled condition | Pass | 9 |
| Test condition | 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 | | |
| Cold (operational) | Pass | 15.4 |
| Damp heat, steady state (operational) | Pass | 15.5 |
| Impact (operational) | Pass | 15.6 |
| Vibration, sinusoidal (operational) | Pass | 15.7 |
| Electromagnetic Compatibility (EMC), Immunity tests (operational) | Pass | 15.8 |
| Supply voltage variations | Pass | 15.13 |
| Damp heat, steady state (endurance) | Pass | 15.14 |
| Vibration, sinusoidal (endurance) | Pass | 15.15 |

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Appendix 1 (continued)

| Harmonised Technical Specification | | EN54-4:1997 + A1 & A2 |
|---|-------------|-----------------------|
| 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 | | |
| Cold (operational) | Pass | 9.5 |
| Damp heat, steady state (operational) | Pass | 9.6 |
| Impact (operational) | Pass | 9.7 |
| Vibration, sinusoidal (operational) | Pass | 9.8 |
| Electromagnetic Compatibility (EMC), Immunity tests (operational) | Pass | 9.9 |
| Damp heat, steady state (endurance) | Pass | 9.14 |
| Vibration, sinusoidal (endurance) | Pass | 9.15 |

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