

Certificate of Constancy of Performance

This is to certify that:

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

Holds Certificate Number:

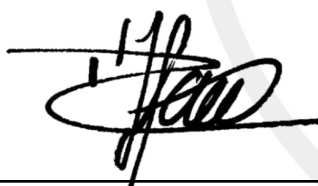
2797 CPR 589456

In respect of:

Fire detection and fire alarm systems EN 54-17:2005 Short-Circuit Isolators & EN 54-18:2005 Input / Output Devices

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 standard(s) under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product(s). This certificate was first issued on the date below and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):



Drs. Dave Hagenaaars, Managing Director

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...making excellence a habit.™

Certificate of Constancy of Performance

No. 2797 CPR 589456

Manufacturing Plant: **Protec Fire Detection plc**

Protec House
Churchill Way
Nelson
Lancashire
BB9 6RT

**Fire detection and fire alarm systems - EN 54-17:2005 + AC:2007 Short-Circuit Isolators
& EN 54-18:2005 + AC:2007 Input/Output Devices**

Product Information

Model Reference	Type
6000/4IO	4 Way Input / Output Interface
6000/2APZA	Auxiliary Powered Dual Zone Alarm Interface
6000/2LPZA	Loop Powered Dual Zone Alarm Interface
6000/2IO	2 Way Input / Output Interface
6000/LCM	Local Control Module – Input /Output Interface with Short Circuit Isolation
6000/LPZA	Loop Powered Zone Alarm Input / Output Interface with Short Circuit Isolation
6000/APZA	Auxiliary Powered Zone Alarm Input / Output Interface with Short Circuit Isolation

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Dutch Multi-way Interface Module consisting of the following:

Model Reference	Type
SF41-936-63X	Evacuation/Mimic Driver Interface
SF41-935-62X	Evacuation/Mimic Termination
SF41-921-56X	Evacuation/Mimic Extra 32 LED's Interface
SF41-904-55X	Evacuation/Sprinkler Panel Interface
SF41-943-62X	16 way Normally open Interface
SF41-944-63X	16 way Normally close Interface
SF41-964-67X	16 Way Fast Response Interface
SF40-148-39X	16 Way PA Interface
SF40-170-37X	16 Way Output Interface



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Model Reference	Type
6000/MICCO	Monitored input Clean Contact output Interface Unit
6000/CCO	Clean Contact output Interface Unit
6000/MIP	Monitored Input Interface Unit
6000/FRI	Monitored Fast Response Input Interface Unit

Model Reference	Type
6000/DCM	Damper Control Module with enclosure containing knockouts (N62-835-00) or enclosure with no knockouts (N62-835-01)

Model Reference	Type
6000/BEAM/IF	S6000 Beam Interface



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Appendix 1

Harmonised Technical Specification		EN 54-17:2005
Essential Characteristics	Performance	Clause
Performance under fire conditions		
Reproducibility	Pass	5.2
Operational Reliability		
Requirements	Pass	4
Durability of Operational Reliability		
Dry heat	Pass	5.4
Cold (operational)	Pass	5.5
Damp heat, cyclic (operational)	Pass	5.6
Damp heat, steady state (endurance)	Pass	5.7
Sulphur dioxide (SO ₂) corrosion	Pass	5.8
Shock (operational)	Pass	5.9
Impact (operational)	Pass	5.10
Vibration, sinusoidal (operational)	Pass	5.11
Vibration, sinusoidal (endurance)	Pass	5.12
Durability of Operational Reliability, Electrical Stability		
Variation in supply parameters	Pass	5.3
Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.13

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Appendix 1 (continued)

Harmonised Technical Specification		EN 54-18:2005
Essential Characteristics	Performance	Clause
Response Delay (response time)		
Performance and variation of supply parameters	Pass	5.2
Performance under fire conditions		
Functional test	Pass	5.1.4
Operational Reliability		
Functional test	Pass	5.1.4
Durability of Operational Reliability		
Dry heat	Pass	5.3
Cold (operational)	Pass	5.4
Damp heat, cyclic (operational)	Pass	5.5
Damp heat, steady state (endurance)	Pass	5.6
Sulphur dioxide (SO ₂) corrosion	Pass	5.7
Shock (operational)	Pass	5.8
Impact (operational)	Pass	5.9
Vibration, sinusoidal (operational)	Pass	5.10
Vibration, sinusoidal (endurance)	Pass	5.11
Durability of Operational Reliability, Electrical Stability		
Performance and variation of supply parameters	Pass	5.2
Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.12

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