

0359-CPR-00252

Intertek

Product(s): **Protec Cirrus Pro 200 Aspirating Smoke Detector**
(refer to attached appendix for details and conditions)

Produced by or for: **Protec Fire Detection Plc.**
Protec House, Churchill Way, Nelson, Lancashire, BB9 6RT

Produced in the manufacturing plant(s): Protec Fire Detection Plc.
Protec House, Churchill Way, Nelson, Lancashire, BB9 6RT

Intended use: Fire Safety

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 54-20:2006+AC:2008

Fire detection and fire alarm systems. Aspirating smoke detectors

Under system 1 are applied and that the product(s) fulfils all the prescribed requirements set out above.

This certificate was first issued on **11 December 2013** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Notified Body
0359

Intertek Testing & Certification Limited
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Date 11/12/2013

Issue 1

www.intertek.com

Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14
United Kingdom

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Certificate of Constancy of Performance

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Appendix to Certificate of Constancy of Performance 0359-CPR-00252

The details and condition of use for the Protec Cirrus Pro 200 Aspirating Smoke Detector, placed on the market by:

Protec Fire Detection Plc.

Protec House, Churchill Way, Nelson, Lancashire, BB9 6RT

To be used in accordance with the supplier's installation instructions and in conjunction with the following bases, ancillaries, sounder tones and sensitivity settings (*where applicable*):

Products compliant with EN 54-20:2006+AC:2008

Variant	Description
Cirrus Pro 200	Aspirating Smoke Detector

Conditions of use:

Suitable for indoor applications

Approved settings:

Class	Maximum gain settings	Maximum RTV (dB/m)	Maximum holes
Class A	Gain 9 – 15%	0.054	36
Class B	Gain 8 – 15%	0.063	36
Class C	Gain 7 – 15%	0.070	36

General Notes:

1. Tested under Intertek project number 101294986
2. No CE or other type approval is made or inferred outside of the attestation of conformity and the product performance as stipulated on this certificate.

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Appendix to Certificate of Constancy of Performance 0359-CPR-00252 (continued)

Table of performance for EN 54-20:2006+AC:2008

Harmonised technical specification

Essential characteristics	Performance	Clauses	Notes
Nominal activation Conditions / sensitivity, response delay (response time) and performance under fire conditions	Pass	5.6, 6.2, 6.3, 6.15	a
Operational reliability	Pass	5.2 to 5.5, 5.7 to 5.12	
Tolerance to supply voltage	Pass	6.4	
Durability of operational reliability, Temperature resistance	Pass	6.5, 6.6	
Durability of operational reliability, Vibration resistance	Pass	6.10, 6.11, 6.12, 6.13	
Durability of operational reliability, Electrical stability	Pass	6.14	
Durability of operational reliability, Humidity resistance	Pass	6.7, 6.8	
Durability of operational reliability, Corrosion resistance	Pass	6.9	

Notes:

a) The products covered by this standard are assumed to enter the alarm condition, in an event of 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.

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