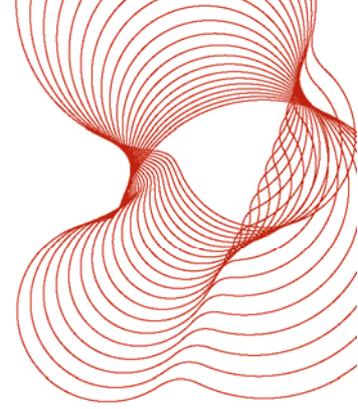


# LOSS PREVENTION CERTIFICATION BOARD

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Mr David Potter  
The Dial House,  
Rectory Hill,  
Cranford  
Kettering  
NN14 4AH  
United Kingdom

1st September 2011

Your Ref: Email regarding FlareSafe detector

Our Ref: AJD 1

Dear David

## Re: FlareSafe Portable Smoke Detector

This letter is intended as confirmation that the portable smoke detector FlareSafe falls outside the current EN 14604 standard due to the design purpose of the device being portable. This means that it will fail sound tests (a) and marking tests (b)

a) The direction of the sound will vary dependent on the orientation of the device, which will change every time the device is armed.

b) Due to the aesthetics and size of the device, the produce markings will not be sufficient.

For this reason we believe that Flaresafe cannot - and in future will not - be classed under this EN standard in its current format.

Summary of the standard testing for FlareSafe:

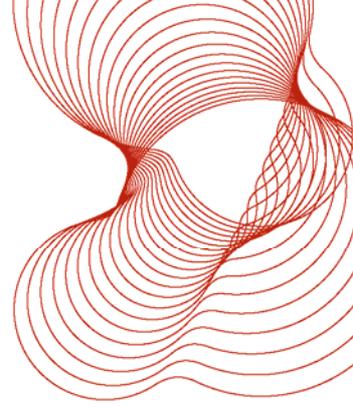
**Clauses favouring preclusion (FAILED)** - The main aspects of the testing which preclude FlareSafe from gaining the full EN standard are as follows:

- **Clause 5.1** - Markings. Because of the size and aesthetics of the unit, the PCB marking, polarity markings and manufacturing labels will not satisfy the standard requirement. (Therefore these results were deemed not relevant for FlareSafe - **Clause 6.4**)

- **Clause 22** - Sound Output (submission 2 - requirements met). Due to the fact that the device can be orientated through 360 degrees the output of the sounder varied substantial to the static tester.

**Key Fire and Smoke tests (PASSED)** - FlareSafe has passed the following sensitivity tests from EN 14604: 2005

- **Clause 5.4** - Provision of information (submission 2 - requirements met)
- **Clause 9** - Directional Dependence (requirements met)
- **Clause 10** - Preliminary test (requirements met)
- **Clause 11** - Repeatability (requirements met)
- **Clause 12** - Supply voltage (requirements met)
- **Clause 14** - Ambient light (requirements met)
- **Clause 20** - Fire sensitivity (submission 1: requirements met)
- **Clause 22** - Battery warning (submission 2 - requirements met)



**CE testing**

FlareSafe has also passed the key CE test.

In conclusion, although FlareSafe will be unable to attain the full EN 14604 2005 standard - for the above reasons - it continues to operate as a method of smoke detection.

Yours sincerely

Tony Dodkin  
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