

DECLARATION OF PERFORMANCE

According to Construction Products Regulation EU N° 305/2011

DoP Ref: **GLT-245-DoP-1**

1. Unique Product identification code:

47-070

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

ZT-BEAM, Zeta-Beam self-aligning beam detector

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

Smoke detector – Line detector using an optical light beam,
For use in fire detection and alarm systems within buildings.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

The Fire Beam Company Limited
Unit 8 Thames Industrial Estate
High Street South
Dunstable
Bedfordshire
LU6 3HLZ

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Zeta Alarm Systems by GLT Exports Ltd
72-78 Morfa Road
Swansea
SA1 2EN
UK

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. In case of the declaration of performance concerning a construction product covered by the harmonized standard:

VdS Schadenverhütung GmbH 0786 Performed type testing and the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control under system 1 and issued the EC certificates of conformity:

0786-CPD-21041

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. Declared performance:

All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in 3. have been determined as described in the hEN mentioned in the following table.

Essential characteristics	Performance	Harmonized Technical Specification
		EN54-12: 2002
Nominal activation conditions	Pass	4.5 - On-site adjustment of response threshold value
		4.8 - Limit of compensation
		4.10 - Fault signalling
		5.2 - Reproducibility
		5.4 - Directional dependence
		5.7 - slow changes in attenuation
		5.8 - optical path length dependence
		5.9 - fire sensitivity
		5.10 - stray light
Response Delay	Pass	5.3 - Repeatability
		5.6 - Rapid changes in attenuation
Operational Reliability	Pass	4.3 - Connection of ancillary devices
		4.4 - Manufacturer's adjustments
		4.6 - Protection against ingress of foreign bodies
		4.7 - Monitoring of detachable detectors and connections
		4.9 - Additional requirements for software controlled detectors
Performance under fire conditions	Pass	4.2 - Individual alarm indication
Durability of operational reliability, Temperature resistance	Pass	5.11 - Dry heat (operational)
		5.12 - Cold (operational)
Durability of operational reliability, Vibration resistance	Pass	5.15 - Vibration (endurance)
		5.18 - Impact (operational)
Durability of operational reliability, Humidity resistance	Pass	5.13 - Damp heat, steady state (operational)
		5.14 - Damp heat, steady state (endurance)
Durability of operational reliability, Corrosion resistance	Pass	5.17 - Sulphur dioxide (SO2) corrosion (endurance)
Durability of operational reliability, Electrical stability	Pass	5.16 - Electromagnetic compatibility (EMC), immunity tests (operational)

10. The performance of the product identified in 1. and 2. is in conformity with the declared performance in 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in 4.

Signed for and on behalf of Zeta Alarm Systems by GLT Exports Ltd by:

Name: N.R. P. Jones

Signature:



Position: Technical Manager

Place of issue: Swansea

Date of issue: 14th September 2015