NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0945

In compliance with *Regulation (EU) No 305/2011 of the European Parliament and of the Council of March 9th, 2011* (the Construction products Regulation or CPR), this certificate applies to the construction product

Addressable Linear detector using an optical light beam
SensoIRIS BM120
SensoIRIS BM60, Belinda BM120, Belinda BM60,
Erida BM120, Erida BM60, Marl BM120, Marl BM60,
Smoke sense BM120, Smoke sense BM60

For specifications see Annexes to this certificate

placed on the market under the name or trade mark of

Teletek Electronics JSC
2, Iliyansko Shose Str., NPZ Voenna Rampa, 1220 Sofia, Bulgaria

and produced in the manufacturing plant

Teletek Electronics JSC
2, Iliyansko Shose Str., NPZ Voenna Rampa, 1220 Sofia, Bulgaria

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

EN 54-12:2015,
EN 54-17:2005, EN 54-17:2005/AC:2007

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.

This certificate was first issued on November 26th, 2025 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

EVPÚ, a.s. NOVÁ DUBNICA Notified Body No 1293

Nová Dubnica, November 26th, 2025

Róbert J a n i g a
Head of NB No. 1293

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Annex 1 to Certificate No. 1293 - CPR - 0945 from November 26th, 2025

General description

SensoIRIS BM is an addressable, reflector type, linear beam detector. The detector is compatible for operation with addressable fire alarm panels using TTE communication protocol - series iRIS4/8 and SIMPO X. The detector is powered on directly from the loop line or via using an external power supply unit, and can be controlled via the communication protocol.

SensoIRIS BM consists of two parts: main module including a transmitter and a receiver of the emitted beam light, and a reflector plate. The main unit and the reflector are mounted facing each other on opposite walls of the protected premises, as there must be a clear direct (horizontal) viewing space between them without presence of any obstacles (as ducts, HVAC pipes, pending objects, etc)..

The principal of operation of SensoIRIS BM is based on detection of attenuation of the signal returned to the receiver. The reducing of the signal is due to obscuration of the light beam caused by visible smoke presence in the space between the main unit and the reflector.

Technical Specifications

Loop operation voltage	16 V – 32 V DC
or external power supply voltage	24V DC ± 10%
Range:	
- SensoIRIS BM60	from 5 m to 60 m
- SensoIRIS BM120	from 50 m to 120 m
Type of the reflector	prismatic
Optical wave length - smoke detection - NIR	950 nm
Min. height mounting (people moving area)	2.7 m
Distance between two beam detectors	15 m
Dimensions	187 mm / 121 mm / 73 mm
Temperature conditions	-10 ºC up to 55 ºC

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Annex 2 to Certificate No. 1293 - CPR - 0945 from November 26th, 2025

Products parameters:

Essential characteristics	Harmonised technical specification		Performance
	EN 54-12:2015	EN 54-17:2005 EN 54-17:2005/ AC:2007	
Operational reliability: Individual alarm indication Connection of ancillary devices Manufacturer's adjustments On-site adjustment of response value Protection against the ingress of foreign bodies Monitoring of detachable detectors and connections Requirements for SW controlled detectors (when provided)	 4.2.1 4.2.2 4.2.3 4.2.4=N/A 4.2.5 4.2.6=N/A 4.2.7	---	Pass
Operational reliability	---	cl.4	Pass
Nominal activation conditions / Sensitivity: Reproducibility Repeatability Tolerance to beam misalignment Rapid changes in attenuation Response to slowly developing fires Optical path length dependence Stray light	 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.3.7	---	Pass
Tolerance to supply voltage: Variation in supply parameters	 4.4	---	Pass
Performance parameters under fire conditions: Fire sensitivity Reproducibility	 4.5 ---	 --- cl. 5.2	Pass
Durability of nominal activation conditions / sensitivity: Temperature resistance Dry heat (operational) Cold (operational) Humidity resistance Damp heat, steady-state (operational) Damp heat, steady-state (endurance) Vibration resistance Vibration (endurance) Impact (operational) Electrical Stability EMC immunity (operational) Corrosion resistance Sulphur dioxide (SO2) corrosion (endurance)	 4.6.1.1 4.6.1.2 4.6.2.1 4.6.2.2 4.6.3.1 4.6.3.2 4.6.4 4.6.5	---	Pass
Durability of operational reliability: temperature resistance	---	cl. 5.4, 5.5	Pass
Durability of operational reliability: vibration resistance	---	cl. 5.9 to 5.12	Pass
Durability of operational reliability: humidity resistance	---	cl. 5.6, 5.7	Pass
Durability of operational reliability: corrosion resistance	---	cl. 5.8	Pass
Durability of operational reliability: electrical stability	---	cl. 5.3, 5.13	Pass

EVPÚ, a.s. NOVÁ DUBNICA Notified Body No. 1293

Nová Dubnica, November 26th, 2025

Róbert J a n i g a
Head of NB No. 1293

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