

EVPÜ[®]

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0816

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

SMOKE DETECTOR

Line detector using an optical light beam TFMID-120

Tecnofire
DETECTION

For specifications see Annex No. 1 and Annex No. 2 to this certificate

placed on the market under the name or trade mark of

TECNOALARM s.r.l.

Via Cirie 38, 10099 San Mauro – Torino, Italy

and produced in the manufacturing plant

TECNOALARM s.r.l.

Strada del Cascinotto 139/54, 10154 Torino, Italy

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 54-12:2015

EN 54-17:2005

EN 54-17:2005/AC:2007

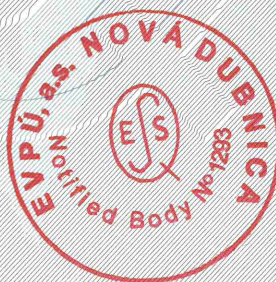
under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on February 24th, 2022 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Nová Dubnica, February 24th, 2022

054214




Michal Mišiak

Annex No. 1 to Certificate No. 1293 - CPR – 0816 from February 24th, 2022

Technical specifications

It is a linear fire detection barrier designed to be connected to the TECNOFIRE fire and extinguishing control panels. It uses the FIRESPEED protocol on fire-fighting LOOP and must be powered externally by an auxiliary power supply.

The device has an internal line separator according to EN 54-17 standards; an external power supply is always necessary.

The system has a radio transceiver connected to a battery-powered device placed on the reflector able to emitting an infrared ray on command. The purpose of this pointing device is to facilitate the optical alignment.

Technical data

Power supply	12 V – 30 V
Minimum distance	8 m (with 1 prysmian reflector)
Maximum distance	120 m (with 2 prysmian reflectors)
Nominal state absorbtion	40 mA @ 24V
Alarm state absorbtion	42 mA @ 24V
Motor step absorbtion	62 mA typ @ 24V

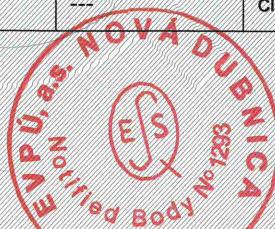
Nová Dubnica, February 24th, 2022

Michal Mišiak

Annex No. 2 to Certificate No. 1293 - CPR – 0816 from February 24th, 2022

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 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 ---	---	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 (SO ₂) 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

Nová Dubnica, February 24th, 2022
054215



Michal Mišiak

EVPU

EVPU

EVPU

EVPU

EVPU

EVPU

EVPU

EVPU

EVPU

