



EVPÚ[®]

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0526 Rev.1

In compliance with the *Regulation 305/2011/EU 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

Addressable heat detector TFDA-TR1



For specifications see Annex 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, 10156 Torino, Italy

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

EN 54-5: 2017+A1: 2018

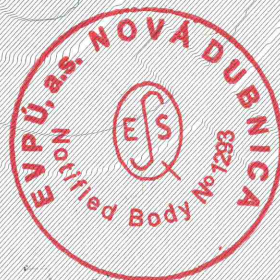
EN 54-17:2005

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 July 19th, 2021 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, July 19th, 2021

054101

Dušan Novotný
Director NB

Annex to Certificate No. 1293 - CPR – 0526 Rev.1 from July 19th, 2021

Technical Specifications

TFDA-TR1 is a heat detector with programmable suffixes and which can be connected to the TFA series fire alarm panels from Tecnofire.

The class can be A or B (the value of the static response temperature depends to the programmed class). The Suffix is programmable as S or R for each class. Functioning is supervised by a microprocessor the algorithm of which guarantees high performance in the detection of the ambient temperature. The detector is equipped with a loop isolator which, in case of failure, disconnects the detector from the loop in order to safeguard the correct functioning of the devices connected downstream and upstream.

The LED blinks if the detector is in stand by and is ON during the alarm.

The detection logic is determined by the class and the suffix programmed on the control panel.

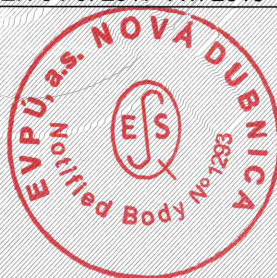
Thermal class, selectable from the control panel	A1/A2, B
Suffix, selectable from the control panel	R, S, No Suffix
Power supply	Over loop
Rated voltage	24V DC
Operating voltage	18 V - 30 V DC
Consumption in stand by	350µA@24VDC
Consumption in alarm	1,5mA@24VDC

Essential characteristics	Harmonised technical specification		Performance
	EN 54-5: 2017+A1: 2018	EN 54-17:2005 EN 54-17:2005/AC:2007	
Operational reliability	cl. 4.2.1, 4.2.2, 4.2.3=N/A, 4.2.4 to 4.2.7	cl. 4	Pass
Nominal activation conditions / Sensitivity	cl. 4.3.1 to 4.3.6	---	Pass
Response delay (response time)	cl. 4.4.1, 4.4.2	---	Pass
Tolerance to supply voltage	cl. 4.5.1	---	Pass
Performance parameters under fire conditions	---	cl. 5.2	Pass
Durability of Nominal activation condition / Sensitivity: Temperature resistance	cl. 4.6.1.1, 4.6.1.2=N/A	cl. 5.4, 5.5	Pass
Durability of Nominal activation condition / Sensitivity: Humidity resistance	cl. 4.6.2.1, 4.6.2.2	cl. 5.6, 5.7	Pass
Durability of Nominal activation condition / Sensitivity: Corrosion resistance	cl. 4.6.3	cl. 5.8	Pass
Durability of Nominal activation condition / Sensitivity: Vibration resistance	cl. 4.6.4.1 to 4.6.4.4	cl. 5.9 to 5.12	Pass
Durability of Nominal activation condition / Sensitivity: Electrical stability	cl. 4.6.5	cl. 5.3, 5.13	Pass

History of certification

No.	Certificate No.	Description	Date of issue
1	1293-CPR-0526	Original certificate issued	April 15 th , 2016
2	1293-CPR-0526 Rev.1	Testing according to standards EN 54-5: 2017+A1: 2018	July 19 th , 2021

Nová Dubnica, July 19th, 2021



Dušan Novotný
Director NB