



NB-CPR 305/2011 EU

Nr. 1415

Product certification body accredited by NAH
under No NAH-6-0057/2024/K.

ÉMI NON-PROFIT LIMITED LIABILITY COMPANY FOR QUALITY
CONTROL AND INNOVATION IN BUILDING
ENGINEERING SERVICES DIRECTORATE
CONFORMITY ASSESSMENT CENTER
CERTIFICATION OFFICE

H-2000 Szentendre, Dózsa György út 26. Postal address: H-2001 Szentendre, Pf : 180.
Phone: +36 (26) 502 300 E-mail: tanusitas@emi.hu WEB: http://www.emi.hu

EC-CERTIFICATE OF CONSTANCY OF PERFORMANCE

1415–CPR–128–(C-3/2024)

In compliance with 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

**TF-ONE AIR CV and TF-ONE AIR AD (with isolator) smoke
aspirating system**

with performance shown in the annex as page 2/3-3/3 of this certificate
and with intended use: **Fire safety** and

produced by

Tecnoalarm S.r.l.

Via Ciriè 38 - 10099 San Mauro (TO) - 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 standards **EN 54-17:2006, EN 54-17:2006/AC:2007, EN 54-20:2006, EN 54-20:2006/AC:2008** under system (1) are applied and that

the product fulfils all the prescribed requirements set out above.

This certificate was first issued on 09.12.2024 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

This certificate consists of 3 pages!

Dated at Szentendre, 09.12.2024



Ágnes Molnár
Head of Certification Office



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ANNEX

Type:	TF-ONE AIR CV	TF-ONE AIR AD
Connection to fire alarm panel:	conventional	addressable
Supply voltage:	20...27,6 VDC via TFA1-298 fire alarm panel	
Standby/alarm current consumption at 100% engine speed:	160/370 mA	120/420 mA
Communication mode between detector and control panel:	Relay output contact for Pre-alarm, Alarm, Fault. (Wi-Fi for set-up configuration and debug monitor)	Fire-speed protocol
Line interface:	no	yes
Sensitivity:	0,005...1%/m	
Sensitivity class:	A, B and C	
Monitored area:	max. 1600 m ²	
Piping:	ABS Ø25 mm	
Operating temperature:	-5...+55°C	
Relative humidity (without condensation):	10...93%	
Dimensions:	260×251,6×110 mm	
Weight:	2152 g	2169 g

Essential characteristics	Result	Clauses in EN 54-20 standard
Nominal activation conditions/sensitivity, response delay (response time) and performance under fire conditions	Passed	5.6, 6.2, 6.3, 6.15
Operational reliability	Passed	5.2 to 5.5, 5.7 to 5.12
Tolerance to supply voltage	Passed	6.4
Durability of operational reliability, Temperature resistance	Passed	6.5, 6.6
Durability of operational reliability, Vibration resistance	Passed	6.10, 6.11, 6.12, 6.13
Durability of operational reliability, Electrical stability	Passed	6.14
Durability of operational reliability, Humidity resistance	Passed	6.7, 6.8

Dated at Szentendre, 09.12.2024

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Essential characteristics	Result	Clauses in EN 54-17 standard
Performance under fire conditions	Passed	5.2
Operational reliability	Passed	4
Durability of operational reliability, Temperature resistance	Passed	5.4, 5.5
Durability of operational reliability, Vibration resistance	Passed	5.9 to 5.12
Durability of operational reliability, Humidity resistance	Passed	5.6, 5.7
Durability of operational reliability, Electrical stability	Passed	5.3, 5.13

Dated at Szentendre, 09.12.2024

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