



EVPU[®]

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0527

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 5 input module TFM50

For specifications see Annex

produced for

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, Torino, 10154, 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 54-17:2005/AC:2007, EN 54-18:2005/AC:2007

under system 1 are applied and that

the product fulfils all the prescribed requirements set out above.

This certificate was first issued on April 15, 2016 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised 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.

Nová Dubnica, April 15, 2016



049997

Marking may only be used if conformity with all relevant and effective Directives of EP and Council is attested.



Marek H u d á k
Director NB

Annex to Certificate No. 1293 - CPR - 0527 from April 15, 2016

General Information

The TFM50 is an input expansion module which can be connected to the TFA series fire alarm panels from Tecnofire. The module provides 5 inputs A, B, C, D, E with their corresponding repeater outputs. The inputs can be used to control contacts with double end-of-line resistor. Functioning of each input can be programmed on the control panel as follow:

- Generate allarm
- Generate block
- Generate restore
- None (input has no function)

The module is equipped with a loop isolator which, in case of failure, disconnects the device from the loop in order to safeguard the correct functioning of the devices connected downstream and upstream.

The module is available with a low profile casing TFM50-LP or with a high profile casing TFM50-HP, both can be hooked on a DIN bar.

Technical specifications:

Power supply

Rated voltage

Operating voltage:

Consumption in stand by

Consumption in alarm

Over loop

24VDC

18-30 V DC

500 μ A @ 24 V DC

<2,3 mA @ 24 V DC

Products parameters:

Essential characteristics	Harmonised technical specification		Performance
	EN 54-17:2005 +AC:2007	EN 54-18:2005 +AC:2007	
Response delay (response time)	-	cl. 5.2	Pass
Performance under fire conditions	cl. 5.2	cl.5.1.4	Pass
Operational reliability	cl. 4	cl.5.1.4	Pass
Durability of operational reliability and response delay: temperature resistance	cl. 5.4, 5.5	cl. 5.3, 5.4	Pass
Durability of operational reliability: vibration resistance	cl. 5.9 to 5.12	cl. 5.8 to 5.11	Pass
Durability of operational reliability: humidity resistance	cl. 5.6, 5.7	cl. 5.5, 5.6	Pass
Durability of operational reliability: corrosion resistance	cl. 5.8	cl. 5.7	Pass
Durability of operational reliability: electrical stability	cl. 5.3, 5.13	cl. 5.2, 5.12	Pass

Nová Dubnica, April 15, 2016

Marek Hudák
Director NO