



EVPU[®]

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0420

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

Input-output device TFM20

For specifications see Annex

produced by

TECNOALARM s.r.l.

Via Cirie 38, 10099 San Mauro – Torino, Italy

and produced in the manufacturing plant

TECNOALARM s.r.l.

Via Cirie 38, 10099 San Mauro – 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 54-17:2005/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 August 14, 2014 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, August 14, 2014



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




Marek Hudák
Director NB

Annex to Certificate No. 1293 - CPR - 0420 from August 14, 2014

Technical Specifications

The TFM20 is an input-output expansion module which can be connected to the TFA series fire alarm panels from Tecnofire.

The module provides 2 inputs with their corresponding repeater outputs. The inputs can be used to control normally open contacts in the loop controlled mode.

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.

Two rotary switches mounted on the rear side of the module permit programming of 2-digits addresses. Each switch programs one of the digits the addresses is composed of X10 the tens and X1 the ones.

Electrical specifications:

Power supply

Over loop

Rated voltage

24VDC

Operating voltage:

18-30 V DC

Consumption in stand by

500 μ A @ 24 V DC

Consumption in alarm

2,3 mA @ 24 V DC

Products parameters:

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

Nová Dubnica, August 14, 2014

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Marek Hudák
Director NO