



EVPU[®]

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0491

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 4-20mA device interface TFM420MA

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.

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 June 03, 2015 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, June 03, 2015



Marek H u d á k
Director NB



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

049862

EVPU a.s., Trenčianska 19, SK 018 51 Nová Dubnica, Slovak Republic, www.evpu.sk
Page 1 / 2 FCO 425-13

Annex to Certificate No. 1293 - CPR - 0491 from June 03, 2015

Technical Specifications

The TFM420MA is an interface for 4-20mA devices which can be connected to the TFA series fire alarm panels from Tecnofire.

The interface provides 2 inputs monitored by LED with their corresponding repeater outputs. The input can be used to control the status of detectors with 4-20mA outputs.

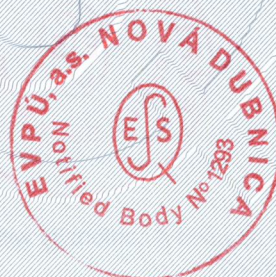
The module is equipped with a loop isolator which, in case of failure, disconnects the device from the loop in order to safeguard the correct functioning of the devices connected downstream and upstream.

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 (no transmission)
Consumption in alarm	2.3 mA @ 24 V DC
Repeater output	9.4VDC 6mA (protected)

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, June 03, 2015


 Marek Hudák
 Director NO