



EVPU

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0486

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

Ionization smoke detector MHG 186

For specifications see Annex

produced by

LITES Liberec s.r.o.

Oblouková 135, 463 03 Stráž nad Nisou, Czech Republic

and produced in the manufacturing plant

LITES Liberec s.r.o.

Kateřinská 235, 463 03 Stráž nad Nisou, Czech Republic

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 54-7:2000/A2:2006

under system 1 are applied and that

the product fulfils all the prescribed requirements set out above.

This certificate was first issued on April 23, 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, April 23, 2015



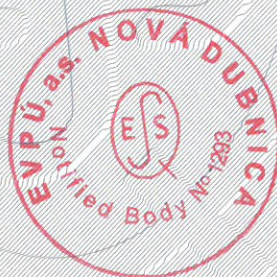
The

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

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Marek Hudák
Director NB

Annex to Certificate No. 1293 - CPR - 0486 from April 23, 2015

Ionization smoke detector MHG 186 is heavy fire detector, intended in cooperation with addressable and conventional (non addressable) control and indicating equipment LITES for automatic signalling of arising fires as a detector responsive to combustion products-both visible and invisible smoke particles (aerosols). Ionization smoke detector MHG 186 is intended for use in areas protected against atmospheric conditions and wherever suits its coverage and climatic resistance and where there are no sudden changes in temperature leading to sweating and icing.

Ionization smoke detector MHG 186 is designed for an environment in which the ionization smoke detector of light construction cannot be used, e.g. by increased demands on mechanical strength. It is placed in the place of the occurrence and concentration of smoke in buildings with materials which during smouldering or burning develop a smoke.

Electrical specifications:

Addressable system

Input voltage: $20^{+1}_{-3} V_{imp}$

Equivalent current: 150 μA

Address area: 1÷128

Conventional system

Input voltage: (16÷24) V DC

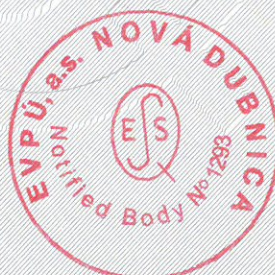
Rated input voltage: 21,5 V DC

Any particular conditions applicable to the use of the product and technical specifications, possible hardware configurations environment, electrical characteristics are shown in the manual MHG 186 version 1/2015.

Products parameters:

Essential characteristics	Performance	Harmonised technical specifications
		EN 54-7:2000+A1:2002+A2:2006
Nominal activation conditions / Sensitivity, Response delay (response time) and Performance under fire conditions	Pass	cl. 4.8, 5.2, 5.3, 5.4, 5.6, 5.18
Operational reliability	Pass	cl. 4.2 to 4.5, 4.7, 4.9 to 4.11
Tolerance to supply voltage	Pass	cl. 5.5
Durability of operational reliability: temperature resistance	Pass	cl. 5.8, 5.9
Durability of operational reliability: vibration resistance	Pass	cl. 5.13 to 5.16
Durability of operational reliability: humidity resistance	Pass	cl. 5.10, 5.11
Durability of operational reliability: corrosion resistance	Pass	cl. 5.12
Durability of operational reliability: electrical stability	Pass	cl. 5.17

Nová Dubnica, April 23, 2015



Marek H u d á k
Director NO