



EVPÜ[®]

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0406

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

Optical beam smoke detector FL 100

For specifications see Annex

produced by

URMET S.p.A.

Via Bologna 188/C, 10154 Torino, Italy

and produced in the manufacturing plant

VAT Nr. IT05288880965

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 54-12: 2002

under system 1 are applied and that

the product fulfils all the prescribed requirements set out above.

This certificate was first issued on April 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, April 14, 2014

Marek H u d á k
Director NB



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

Annex to Certificate No. 1293 - CPR – 0406 from April 14, 2014

FL 100 is the optical beam smoke detector which working principle is based on the attenuation of the light intensity of an infrared light beam due to smoke. The infrared light beam is transmitted by a transmitter unit (Tx) and received and properly processed by a receiver unit (Rx).

More specifically, the receiver unit Rx processes an electrical signal proportional to the intensity of the received light and notifies an alarm or fault condition if the signal falls below an alarm or fault threshold continuously for a predefined amount of time.

FL 100 is equipped with three LED indicators and two 7-segment displays for notification of several types of information. Also, there are a fault relay and two relays used to signal the pre-alarm and alarm conditions.

FL 100 can be connected to a conventional fire detection circuit for signalling any alarm condition to the control panel.

Any particular conditions applicable to the use of the product and technical specifications, possible hardware configurations environment, electrical characteristics are shown in the Instalation and user manual No. LBT80777.

Products parameters:

Essential characteristics	Performance	Harmonised technical specification
		EN 54-12:2002
Nominal activation conditions/sensitivity	Pass	cl. 4.5, 4.8, 4.10, 5.2, 5.4, 5.7, 5.8, 5.9, 5.10
Response delay (response time)	Pass	cl. 5.3, 5.6
Operational reliability	Pass	cl. 4.3, 4.4, 4.6, 4.7, 5.16, 5.18, 4.9
Tolerance to supply voltage	Pass	cl. 5.5
Performance parameters under fire conditions	Pass	cl. 4.2
Durability of operational reliability: - temperature resistance	Pass	cl. 5.11, 5.12
Durability of operational reliability: - vibration resistance	Pass	cl. 5.15
Durability of operational reliability : - humidity resistance	Pass	cl. 5.13, 5.14
Durability of operational reliability: - corrosion resistance	Pass	cl.5.17

Nová Dubnica, April 14, 2014



Marek H u d á k
Director NB