EVPÚ®

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0693

In compliance with *Regulation (EU) No 305/2011 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 Optical Beam Smoke Detector
NFXI-BEAM-E, NFXI-BEAM-TE, NFXI-BEAM-40-E

For specifications see Annex No.1 and No.2 to this certificate

placed on the market under the name or trade mark of

Pittway Tecnologica Srl
(Trading as Notifier by Honeywell)
Via Caboto 19/3, 34147 Trieste, Italy

and produced in the manufacturing plant

Pittway Tecnologica Srl
Via Caboto 19/3, 34147 Trieste, Italy

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 54-12:2015
EN 54-17:2005
EN 54-17:2005/AC:2007

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on June 05th, 2020 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

EVPÚ, a.s. NOVÁ DUBNICA Notified Body No 1293

Nová Dubnica, June 05th, 2020
053677

Marek Hudák
Director NB

Annex No.1 to Certificate No. 1293 - CPR – 0693 from June 05th, 2020

General Information

The model NFXI-BEAM-(T)E is an addressable long range projected beam smoke detector designed to provide open area protection (Range 10 to 70 m, 70 to 100m using optional accessory 6500-LRK/BEAMLRK). The model NFXI-BEAM-40-E is an addressable projected beam smoke detector designed to provide open area protection (Range 5 to 40m). Detectors consist of a combined transmitter/receiver unit and a reflector. Smoke entering the area between the two components causes a reduction in the signal returned to the receiver. When the obscuration reaches the alarm threshold, selected at the transmitter/receiver unit, the detector generates an alarm signal. Complete blockage of the beam causes a fault signal. Slow changes in obscuration due to a build up of dirt or dust on the lens of the detector are compensated for by a micro-controller that continuously monitors the signal strength and periodically updates the alarm and fault thresholds.

Technical specifications

Voltage	15 to 32 VDC (15-28.5V when using isolators)
Operating Temperature	-30 °C to +55 °C
Humidity	10% to 95 % Relative Humidity (Non-condensing)
Dimensions (Without Faceplate)	229mm x 178mm x 84mm
Dimensions (With Faceplate)	253mm x 193mm x 84mm

Nová Dubnica, June 05th, 2020

EVPÚ, a.s. NOVÁ DUBNICA Notified Body № 1293

Marek H u d á k
Director NB

Annex No.2 to Certificate No. 1293 - CPR – 0693 from June 05th, 2020

Essential characteristics	Harmonised technical specification		Performance
	EN 54-12:2015	EN 54-17:2005 EN 54-17:2005/ AC:2007	
Operational reliability: Individual alarm indication Connection of ancillary devices Manufacturer's adjustments On-site adjustment of response value Protection against the ingress of foreign bodies Monitoring of detachable detectors and connections Requirements for SW controlled detectors (when provided)	 4.2.1 4.2.2 4.2.3 4.2.4 4.2.5 4.2.6=N/A 4.2.7	---	Pass
Operational reliability	---	cl.4	Pass
Nominal activation conditions / Sensitivity: Reproducibility Repeatability Tolerance to beam misalignment Rapid changes in attenuation Response to slowly developing fires Optical path length dependence Stray light	 4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.3.7	---	Pass
Tolerance to supply voltage: Variation in supply parameters	 4.4	---	Pass
Performance parameters under fire conditions: Fire sensitivity Reproducibility	 4.5 ---	 --- cl. 5.2	Pass
Durability of nominal activation conditions / sensitivity: Temperature resistance Dry heat (operational) Cold (operational) Humidity resistance Damp heat, steady-state (operational) Damp heat, steady-state (endurance) Vibration resistance Vibration (endurance) Impact (operational) Electrical Stability EMC immunity (operational) Corrosion resistance Sulphur dioxide (SO2) corrosion (endurance)	 4.6.1.1 4.6.1.2 4.6.2.1 4.6.2.2 4.6.3.1 4.6.3.2 4.6.4 4.6.5	---	Pass
Durability of operational reliability: temperature resistance	---	cl. 5.4, 5.5	Pass
Durability of operational reliability: vibration resistance	---	cl. 5.9 to 5.12	Pass
Durability of operational reliability: humidity resistance	---	cl. 5.6, 5.7	Pass
Durability of operational reliability: corrosion resistance	---	cl. 5.8	Pass
Durability of operational reliability: electrical stability	---	cl. 5.3, 5.13	Pass

Nová Dubnica, June 05th, 2020

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Marek Hudák
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