NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0639

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

Conventional fire alarm Rate-of-Rise Heat Detector
SensoMAG R20, Precise R20, Herald R20, RunwayLeo R20

For specifications see Annex to this certificate

placed on the market under the name or trade mark of

Teletek Electronics JSC
14A Srebarna Str., 1407 Sofia, Bulgaria

and produced in the manufacturing plant

Teletek Electronics JSC
14A Srebarna Str., 1407 Sofia, Bulgaria

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

EN 54-5:2000
EN 54-5:2000/A1:2002

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 March 19th, 2019 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 №1293

Nová Dubnica, March 19th, 2019

Marek Hudák
Director NB

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Annex to Certificate No. 1293 - CPR – 0639 from March 19th, 2019

General Information

The detector SensoMAG R20 and derived variants are compatible with any conventional Fire Panel with fire alarm threshold between 10mA and 15mA (between 10mA and 30mA with B24RD fire base).
The detector can be used with 4 base types:
B12L/U - Base with relay output (not covered by EN54-5);
B24 - Standard base;
B24D - Standard base with Schottky diode;
B24RD - Standard base with Schottky diode and increased alarm state current.

Technical specifications

Operating voltage range	9 - 30 V DC (Nom. 12/24VDC)
Average current consumption in quiescent state	< 50µA
Alarm state current	
- with base type B24 and B24D	20 mA / 12÷30V
- with base type B24RD	33 mA / 12V; 49mA/24V; 57mA/30V
- with base type B12L/U	18 mA / 9V; 29mA/12V; 32mA/15V
Class (in accordance with EN 54-5)	A1/R
Output in alarm state at terminal RI	20mA (max) / -3.3V
Operation temperature	-10°C ÷ +60°C
Relative humidity	(93±3)% @ +40°C
Degree of protection	IP30
Dimensions	Φ 102mm h 42mm
Weight (incl. base)	160g

Essential characteritics	Test specification	Harmonised technical specifications	Performance
Nominal activation conditions / Sensitivity, Response delay (response rime) and Performance under fire conditions	cl. 4.2, 4.3, 5.2 to 5.4, 5.5=N/A, 5.6, 5.8, 6.1=N/A, 6.2	EN 54-5:2000 EN 54-5:2000/A1:2002	Pass
Operational reliability	cl. 4.4, 4.5=N/A, 4.6, 4.7, 4.8=N/A, 4.9 to 4.11	EN 54-5:2000 EN 54-5:2000/A1:2002	Pass
Tolerance to supply voltage	cl. 5.7	EN 54-5:2000 EN 54-5:2000/A1:2002	Pass
Durability of operational reliability and response delay: temperature resistance	cl. 5.9, 5.10=N/A	EN 54-5:2000 EN 54-5:2000/A1:2002	Pass
Durability of operational reliability: vibration resistance	cl. 5.14 to 5.17	EN 54-5:2000 EN 54-5:2000/A1:2002	Pass
Durability of operational reliability: humidity resistance	cl. 5.11, 5.12	EN 54-5:2000 EN 54-5:2000/A1:2002	Pass
Durability of operational reliability: corrosion resistance	cl. 5.13	EN 54-5:2000 EN 54-5:2000/A1:2002	Pass
Durability of operational reliability: electrical stability	cl. 5.18	EN 54-5:2000 EN 54-5:2000/A1:2002	Pass

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Nová Dubnica, March 19th, 2019

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