



EVPU®

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0915

In compliance with *Regulation (EU) No 305/2011 of the European Parliament and of the Council of March 9th, 2011* (the Construction products Regulation or CPR), this certificate applies to the construction product

Intelligent analogue addressable fire alarm flammable gas detector with built-in isolator module SensolRIS GAS, Belinda GAS, Erida GAS, Marl GAS, Smoke sense GAS, Expera GAS

For specifications see Annex to this certificate

placed on the market under the name or trade mark of

Teletek Electronics JSC,
2, Iliyansko Shose Str., NPZ Voenna Rampa, 1220 Sofia, Bulgaria
and produced in the manufacturing plant

Teletek Electronics JSC,
2, Iliyansko Shose Str., NPZ Voenna Rampa, 1220 Sofia, Bulgaria

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s)

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 October 14th, 2024 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.



Nová Dubnica, October 14th, 2024

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Michal Mišiak
Head of CB NB No. 1293

Annex to Certificate No. 1293 - CPR - 0915 from October 14th, 2024

General information

This certificate contains only results of tests of built-in isolator module according to standards EN 54-17:2005, EN 54-17:2005/AC:2007.

SensolRIS GAS (and derived variants) is an addressable gas, LPG and CH₄ (Methane), leakage detector designed for connection to iRIS8, iRIS4 and SIMPO addressable fire alarm panels. The detector supports operation with TTE communication protocol, and has a built-in isolator module, which when used allows continuous operation of the loop in case of module's failure and without need of using additional isolator modules. When flammable gas is present and detected at protected premises in concentrations, higher than the dangerous, threshold alarm level is activated. Red indicators light on, the buzzer is turned on and the relay outputs are activated.

Technical specifications

Isolator's parameters according instruction rev.3	
The maximum line voltage	V _{max} = 32V DC
The nominal line voltage	V _{nom} = 28V DC
The minimum line voltage	V _{min} = 16V DC
The maximum voltage at which the device isolates (i.e. switches from closed to open)	V _{so max} = 7,5V DC
The minimum voltage at which the device isolates (i.e. switches from closed to open)	V _{so min} = 5,9V DC
The maximum voltage at which the device isolates (i.e. switches from open to closed)	V _{sc max} = 6,7V DC
The minimum voltage at which the device isolates (i.e. switches from open to closed)	V _{sc min} = 5V DC
The maximum rated continuous current with the switch closed	I _{c max} = 0,7 A
The maximum rated switching current (e.g. under short circuit conditions)	I _{s max} = 1.8A
The maximum leakage current with the switch open	I _{L max} = 16 mA
The maximum series impedance with the switch closed	Z _{c max} = 0.12Ω@28VDC 0.15Ω@16VDC

Essential characteristics	Harmonised technical specification	Performance
	EN 54-17: 2005, EN 54-17: 2005/AC: 2007	
Performance under fire conditions	cl. 5.2	Pass
Operational reliability	cl. 4	Pass
Durability of operational reliability and response delay: temperature resistance	cl. 5.4, 5.5	Pass
Durability of operational reliability: humidity resistance	cl. 5.6, 5.7	Pass
Durability of operational reliability: vibration resistance	cl. 5.9 to 5.12	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, October 14th, 2024



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