

According to Construction Products Regulation EU N° 305/2011

N° 0786-CPR-21782

1. *Unique Product identification code:*

ARDEA TREK – Smoke detectors – Line detectors using an optical beam

2. *Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):*

MODEL : ARDEA TREK

3. *Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:*

SMOKE DETECTORS – Line Detector using an Optical Beam for use in fire detection and fire alarm systems installed in and around buildings.

4. *Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):*

SETRONIC VERONA SRL

VIA MILANO 13 -37024 ARBIZZANO DI NEGRAR (VR) - ITALY

5. *Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):*

Not Applicable

6. *System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:*

System 1

7. *In case of the declaration of performance concerning a construction product covered by the harmonized standard:*

Notified Body, VdS Schadenverhütung GmbH, Amsterdamer Str. 174, 50735 Köln, Germany

performed type testing and the initial inspection of the manufacturing plant and of factory production control with continuous surveillance, assessment and approval of the factory production control under system 1 and issued following certificate of constancy of performance:

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8. *In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:*

Not applicable, see item 7

9. *Declared performance:*

All requirements incl. all essential characteristics and corresponding performances as described in the harmonised technical specifications

EN54-12:2015

for the intended use or uses indicated in point 3 above have been determined.

DECLARATION OF PERFORMANCE

Leistungstabelle / Table of Performance

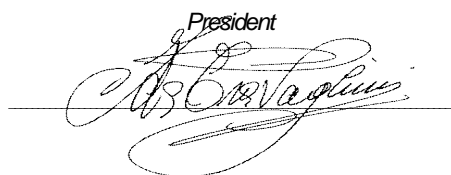
Harmonisierte technische Spezifikation <i>Harmonised technical specification</i>			EN 54-12:2015
Wesentliche Merkmale	Essential Characteristics	Leistung Performance	Abschnitt Clause
Betriebszuverlässigkeit - Individuelle Alarmanzeige - Anschluss von Hilfsvorrichtungen - Herstellerabgleiche - Einstellung des Ansprechverhaltens vor Ort - Schutz gegen das Eindringen von Fremdkörpern - Überwachung abnehmbarer Melder und Anschlüsse - Anforderungen an softwaregesteuerte Melder (sofern vorhanden)	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 software controlled detectors (when provided)	rote LED red LED nicht anwendbar not applicable spezielle Mittel erforderlich special means required spezielle Mittel erforderlich special means required geschützt (> 1,3 mm) protected (> 1,3 mm) nicht anwendbar not applicable Dokumentation, Ausführung und Speicherung ordnungsgemäß documentation, design and storage correct	4.2.1 4.2.2 4.2.3 4.2.4 4.2.5 4.2.6 4.2.7
Nennbedingungen für die Aktivierung / Empfindlichkeit - Exemplarstreuung - Wiederholbarkeit - Toleranz zur Fehlausrichtung des Strahls - Schnelle Änderungen der Lichtdämpfung - Ansprechen bei sich langsam entwickelnden Bränden - Abhängigkeit von der Länge der optischen Messstrecke - Streulicht	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	$C_{min} \geq 0,4 \text{ dB}$ $C_{max}/C_{min} \leq 1,33$ $C_{rep}/C_{min} \leq 1,5$ ordnungsgemäße Funktion correct operation $C_{min} \geq 0,4 \text{ dB}$; $C_{max}/C_{min} \leq 1,6$ ordnungsgemäße Funktion maximaler Winkel > 0,4° correct operation maximum angle > 0,4° ordnungsgemäße Funktion correct operation ordnungsgemäße Funktion correct operation $C_{min} \geq 0,4 \text{ dB}$; $C_{max}/C_{min} \leq 1,6$ ordnungsgemäße Funktion correct operation $C_{min} \geq 0,4 \text{ dB}$; $C_{max}/C_{min} \leq 1,6$	4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.3.7
Toleranz der Versorgungsspannung - Schwankungen der Versorgungsparameter	Tolerance to supply voltage - Variations in supply parameters	$C_{min} \geq 0,4 \text{ dB}$; $C_{max}/C_{min} \leq 1,6$	4.4

DECLARATION OF PERFORMANCE

Leistungsparameter im Brandfall	Performance parameters under fire conditions		
- Brandempfindlichkeit	- Fire sensitivity	$m_{fs} < 0,7 \text{ dB m}^{-1}$	4.5
Dauerhaftigkeit der Nennbedingungen für die Aktivierung / Empfindlichkeit, Temperaturbeständigkeit	Durability of nominal activation conditions / sensitivity, temperature resistance		
- Trockene Wärme (in Betrieb)	- Dry heat (operational)	ordnungsgemäße Funktion correct operation $C_{min} \geq 0,4 \text{ dB} ; C_{max}/C_{min} \leq 1,8$	4.6.1.1
- Kälte (in Betrieb)	- Cold (operational)	ordnungsgemäße Funktion correct operation $C_{min} \geq 0,4 \text{ dB} ; C_{max}/C_{min} \leq 1,8$	4.6.1.2
Dauerhaftigkeit der Nennbedingungen für die Aktivierung/Empfindlichkeit, Feuchtebeständigkeit	Durability of nominal activation conditions / sensitivity, humidity resistance		
- Feuchte Wärme, konstant (in Betrieb)	- Damp heat, steady state (operational)	ordnungsgemäße Funktion correct operation $C_{min} \geq 0,4 \text{ dB} ; C_{max}/C_{min} \leq 1,8$	4.6.2.1
- Feuchte Wärme, konstant (Dauerprüfung)	- Damp heat, steady state (endurance)	$C_{min} \geq 0,4 \text{ dB} ; C_{max}/C_{min} \leq 1,8$	4.6.2.2
Dauerhaftigkeit der Nennbedingungen für die Aktivierung/Empfindlichkeit, Schwingungsbeständigkeit	Durability of nominal activation conditions / sensitivity, vibration resistance		
- Schwingen (Dauerprüfung)	- Vibration (endurance)	$C_{min} \geq 0,4 \text{ dB} ; C_{max}/C_{min} \leq 1,8$	4.6.3.1
- Schlag (in Betrieb)	- Impact (operational)	ordnungsgemäße Funktion correct operation $C_{min} \geq 0,4 \text{ dB} ; C_{max}/C_{min} \leq 1,8$	4.6.3.2
Dauerhaftigkeit der Nennbedingungen für die Aktivierung/Empfindlichkeit, Elektrische Stabilität	Durability of nominal activation conditions / sensitivity, electrical stability		
- Elektromagnetische Verträglichkeit (EMV), Störfestigkeit (in Betrieb)	- Electromagnetic compatibility (EMC), immunity (operational)	ordnungsgemäße Funktion correct operation $C_{min} \geq 0,4 \text{ dB} ; C_{max}/C_{min} \leq 1,8$	4.6.4
Dauerhaftigkeit der Nennbedingungen für die Aktivierung/Empfindlichkeit, Korrosionsbeständigkeit	Durability of nominal activation conditions / sensitivity, corrosion resistance		
- Schwefeldioxid (SO ₂) - Korrosion (Dauerprüfung)	- Sulphur dioxide (SO ₂) - corrosion (endurance)	$C_{min} \geq 0,4 \text{ dB} ; C_{max}/C_{min} \leq 1,8$	4.6.5

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

President


Place and date of issue
 Arbizano di Negrar, 23/10/2023

This declaration certifies the constancy of performance to the specified standard but does not imply any warranty for properties. The safety documentation accompanying the product shall be considered in detail.