



Argus Security S.r.l.
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CPR – Construction Products Regulation EU n.305/2011 Declaration of Performance – DoP

Declaration in accordance with Commission Delegated Regulation EU n.574/2014 which amends Annex III of Regulation n.305/2011

CPR – Regolamento Prodotti da Costruzione EU n.305/2011 Dichiarazione di Prestazione - DoP

Dichiarazione ai sensi del Regolamento Delegato UE n.574/2014 della Commissione che modifica l'Allegato III del Regolamento n.305/2011

N°: TU0110CPR

1. Unique identification code of the product-type:

Codice di identificazione unico del prodotto-tipo:

Product type: Smoke Detector with scattered light, transmitted light or ionization; Wireless

Model Number and Description: **TW-DO-01** - TAURUS - Bi-Directional Wireless Addressable Dual Path Optical Smoke Detector With Variable Sensitivity.

TW-DO-01/BL - TAURUS - Bi-Directional Wireless Addressable Dual Path Optical Smoke Detector With Variable Sensitivity (Black version). Operating Frequency Band: 868 MHz

2. Intended use/es:

Usi previsti:

Fire Safety

Fire detection and fire alarm systems installed in and around buildings

Sicurezza Antincendio

Sistemi di rivelamento ed allarme antincendio installati all'interno ed intorno agli edifici

3. Manufacturer:

Fabbricante:

ARGUS SECURITY Srl

Via del Canneto 14

Valle delle Noghère - 34015 Muggia - Trieste - Italy

info@argussecurity.it

www.argussecurity.it

4. Authorised representative:

Mandatario:

N/A

5. System/s of AVCP:

Sistemi di VVCP:

System 1

6. Harmonized standard(s):

Norme Armonizzate:

EN 54-7:2018

EN 54-25:2008 + AC :2012

7. Notified Body/ies:

Organismi Notificati:

IMQ S.p.a., No. 0051

Product code:

TW-DO-01 CoP Reference:

0051-CPR-1731

TW-DO-01/BL CoP Reference:

0051-CPR-1731

8. Declared performance/s:

Prestazioni Dichiarate:

ESSENTIAL CHARACTERISTICS	CLAUSE APPLICABLE	PERFORMANCE	REGULATORY CLASSES	HARMONISED STANDARD
Operational reliability:			None	EN 54-7:2018
Individual alarm indication	4.2.1	The visual indicator(s) are visible from a distance of 6 m in an ambient light intensity up to 500lx.		
Connection of ancillary devices	4.2.2	Open or short circuit failures of connection to ancillary device did not prevent the correct operation of the detector.		
Monitoring of detachable detectors	4.2.3	A fault condition is signaled when the detector is removed from the mounting base.		
Manufacturer's adjustments	4.2.4	It is not possible to adjust the detector settings without the use of a special tool to access into the detector or use of a code to enabling entry into the panel programming software.		
On site adjustment of response behavior	4.2.5	The mode(s) of operation are adjustable from the Control and Indicating Equipment by use of a loop communication protocol. Access to enable mode changes is by software control of the protocol communication.		
Protection against the ingress of foreign bodies	4.2.6	The chamber is designed so that a sphere of diameter (1,3±0,05) mm cannot pass into the sensor chamber.		
Response to slowly developing fires	4.2.7	The provision of "drift compensation" (e.g. to compensate for sensor drift due to the build-up of dirt in the detector), does not lead to a significant reduction in the detectors sensitivity to slowly developing fires.		
Software controlled detectors (when provided)	4.2.8	The software documentation and the software design complies with the requirements of EN 54-7:2018.		
Nominal activation conditions/sensitivity:				
Repeatability	4.3.1	Ratio of response values $m_{max}:m_{min} \leq 1.6$ Lower response value, $m_{max}:m_{min} > 0.05 \text{ dB m}^{-1}$		
Directional dependence	4.3.2	Ratio of response values $m_{max}:m_{min} \leq 1.6$ Lower response value, $m_{max}:m_{min} > 0.05 \text{ dB m}^{-1}$		

Reproducibility	4.3.3	Ratio of response values $m_{max}:m \leq 1.33$ Ratio of the response values $m_{min} \leq 1.5$ Lower response value, $m_{min} \geq 0.05 \text{ dB m}^{-1}$
Response delay (response time):		
Air movement	4.4.1	Ratio is > 0.0625 and < 1.60 and the point smoke detector did not emit a fault nor alarm signal during the test with aerosol-free air
Dazzling	4.4.2	The specimen did not emit neither an alarm nor a fault signal and Ratio of response thresholds $m_{max}:m_{min} \leq 1.6$
Tolerance to supply voltage:		
Variation in supply parameters	4.5	Ratio of response values $m_{max}:m_{min} \leq 1.6$ Lower response value, $m_{min} \geq 0.05 \text{ dB m}^{-1}$
Performance parameters under fire conditions:		
Fire sensitivity	4.6	Evaluated as meeting the requirements of TF2 to TF5
Durability of nominal activation conditions/Sensitivity:		
temperature resistance		
Cold (operational)	4.7.1.1	The specimen did not emit neither an alarm nor a fault signal and Ratio of response values $m_{max}:m_{min} < 1.6$
Dry heat (operational)	4.7.1.2	The specimen did not emit neither an alarm nor a fault signal and Ratio of response values $m_{max}:m_{min} < 1.6$
Humidity resistance		
Damp heat, steady-state (operational)	4.7.2.1	The specimen did not emit neither an alarm nor a fault signal and Ratio of response values $m_{max}:m_{min} < 1.6$
Damp heat, steady-state (endurance)	4.7.2.2	No fault signal, attributable to the endurance conditioning was given on reconnection of the specimen and Ratio of response values $m_{max}:m_{min} \leq 1.6$
Corrosion resistance		
Sulphur dioxide (SO ₂) corrosion (endurance)	4.7.3	No fault signal, attributable to the endurance conditioning was given on reconnection of the specimen and Ratio of response values $m_{max}:m_{min} \leq 1.6$
Vibration resistance		
Shock (operational)	4.7.4.1	No fault signal given from the specimen during the conditioning period or the additional 2 min. and Ratio of response values $m_{max}:m_{min} \leq 1.6$
Impact (operational)	4.7.4.2	No fault signal given from the specimen during the conditioning period or the additional 2 min. and Ratio of response values $m_{max}:m_{min} \leq 1.6$

Threshold

EN 54-7:2018

Vibration, sinusoidal (operational)	4.7.4.3	No fault signal given from the specimen during the conditioning and Ratio of response values $m_{max}:m_{min} \leq 1.6$	EN 54-7:2018
Vibration, sinusoidal (endurance)	4.7.4.4	No fault signal, attributable to the endurance conditioning was given on reconnection of the specimen and Ratio of response values $m_{max}:m_{min} \leq 1.6$	
Electrical stability EMC immunity (operational) a) Electrostatic discharge (operational) b) Radiated electromagnetic fields (operational) c) Conducted disturbances (operational) d) Fast transient bursts (operational) e) Slow high energy voltage surge (operational)	4.7.5	No alarm or fault signal given during the conditioning and Ratio of response values $m_{max}:m_{min} \leq 1.6$	
ESSENTIAL CHARACTERISTICS	CLAUSE APPLICABLE	PERFORMANCE	HARMONISED STANDARD
Performance parameters under fire conditions	4.1, 4.2.2, 5.2, 8.3.7	PASS	EN 54-25:2008
Response delay (response time to fire)	8.2.3, 8.2.6	PASS	
Operational reliability	4.2.1, 4.2.3 to 4.2.7, 5.3, 5.4, 6, 7, 8.2.2, 8.2.4, 8.2.5, 8.2.7, 8.2.8 ^(a) , 8.2.9, 8.3.1, 8.3.2, 8.3.3, 8.3.4, 8.3.5, 8.3.6	PASS	
Durability of operational reliability, temperature resistance	8.3.9 ^(b) , 8.3.10 ^(b) , 8.3.11	PASS	
Durability of operational reliability, vibration resistance	8.3.16 ^(b) , 8.3.17 to 8.3.19	PASS	
Durability of operational reliability, humidity resistance	8.3.13 ^(c) , 8.3.14	PASS	
Durability of operational reliability, corrosion resistance	8.3.15 ^(b)	PASS	
Durability of operational reliability, electrical stability	8.3.20	PASS	
The products covered by this standard are assumed to enter the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire. ^(a) Only applicable to components required to indicate loss of communication or to transmit this information to the CIE. ^(b) Not applicable for CIE ^(c) Only applicable for CIE and smoke detectors			

The performance of the products identified in point 1 in conformity with the declared performance in the point 8. This declaration is issued under the sole responsibility of the manufacturer identified in point 3.

La prestazione dei prodotti individuati al punto 1 è conforme alla prestazione dichiarata al punto 8. Tale dichiarazione è rilasciata sotto l'esclusiva responsabilità del fabbricante individuato al punto 3.

This document is available on website: www.argussecurity.it (section download for each product)

Questo documento è disponibile sul sito: www.argussecurity.it (nella sezione "download" di ogni prodotto)

Signed for and on behalf of the manufacturer by:

Firmato a nome e per conto del Fabbricante da:



Technical Director
Mauro Ceppa

Trieste, Italy

30/06/2022