Declaration of Performance

According to the Construction Products Regulation EU no. 305/2011 and no. EU 574/2014

DoP document no. 17-006

1. Unique identification code of product type:

VM-3000

consisting of the components:

VM-3240VA,	RM-200M,	VX-2000DS,	LC-X1265
VM-3360VA,	RM-210,	VX-2000PF,	(Panasonic)
VM-3240E,	VM-300SV,	VX-200PS,	
VM-3360E,	VP-2241,	CR-15, CR-22,	
RM-300MF,	VP-2421,	CR-27, CR-35,	
RM-320F,	VP-200VX	CR-40, CR-44,	

2. Indicated use:

Voice alarm control and indicating

3. Manufacturer:

TOA Corporation 7-2-1 Minatojima-Nakamachi, Chuo-ku, Kobe 650-0046, Japan

Registered trademark:





4. Authorised representative:

TOA Electronics Europe GmbH Süderstraße 282, 20537 Hamburg, Germany

5. System of AVCP:

System 1

6a. Harmonised standard:

EN 54:2008 Fire detection and fire alarm systems

Part 16: Voice alarm control and indicating equipment

Notified body:

Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej w Józefowie

Notified body number: 1438

7. List of declared performances

Essential characteristics of the product	Harmonised standard EN 54-16: 2008	Scope of essential characteristics regarding intended use of product			
Performance under fire condition					
General requirements	4	Passed			
General requirements for indications	5	Passed			
Voice alarm condition	7	Passed			
Voice alarm manual control (option with requirements)	10	Passed			
Emergency microphone(s) (option with requirements)	12	Passed			
Output power	16.4	Passed			
Signal-to-noise ratio	16.5	Passed			
Frequency response of VACIE without microphone(s)	16.6	Passed			
Frequency response of VACIE with microphone(s)	16.7	Passed			
Response delay (response time to fire)					
Reception and processing of fire signals	7.1	Passed			
Delays to entering the voice alarm condition (option with requirements)	7.4	no performance declared			
Output to fire alarm devices (option with requirements)	7.8	no performance declared			
Emergency microphone(s) (option with requirements	12	Passed			
Operational reliability					
General requirements	4	Passed			
General requirements for indications	5	Passed			
Quiescent condition	6	Passed			
Voice alarm condition	7	Passed			
Fault warning condition	8	Passed			
Disablement condition (option with requirements)	9	no performance declared			
Interface to external control device(s) (option with the requirements)	11	no performance declared			
Emergency microphone(s) (option with requirements)	12	Passed			
Design requirements	13	Passed			
Additional design requirements for software controlled VACIE	14	Passed			
Durability of operational reliab	ility: Temperature res	sistance			
Cold (operational)	16.8	Passed			
Dry heat (operational)	16.9	Passed			
Dry heat (endurance)	16.10	Passed			
Durability of operational reliability: Impact and vibration resistance					
Impact (operational	16.11	Passed			
Vibration, sinusoidal (operational)	16.12	Passed			
Vibration, sinusoidal (endurance)	16.13	Passed			

7. List of declared performances (continuation)

Durability of operational reliability: Electrical stability				
Supply voltage variation (operational)	16.14	Passed		
Electromagnetic Compatibility (EMC), Immunity tests (operational)	16.15	Passed		
Durability of operational reliability: humidity resistance				
Damp heat, steady state (operational)	16.9	Passed		
Damp heat, steady state (endurance)	16.10	Passed		

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the representative by: Toshio Sakata (managing director)

Hamburg, 24.05.2018