

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 reliability: Temperature resistance		
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

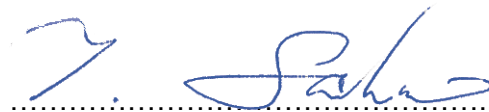
7. List of declared performances (continuation)

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



.....