

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Issued by DBI Certification, notified body No. 2531.

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

**VMI100, VMC100, VMIC100, VMC120, VMIC120, VMMI100,
VMMIC100, VMMIC120, VMMC100, VMMC120**

The product fulfils the essential characteristic:

See Annex 1

Intended use: Applications related to automatic fire alarm systems

Placed on the market under the name or trade mark of:
**Argus Security S.r.l.
Via del Canneto 14
34015 Muggia (Trieste)
Italy**

and produced in the manufacturing plant:
CPA10063

Authorized Representative:
**Halma UK DS LTD
Misbourne Court, Rectory Way
Amersham, Bucks HP7 0DE
United Kingdom**

This attests that all provisions concerning the performance described in Annex ZA of the standard(s)

EN 54-17:2005/AC:2007 : **Fire detection and fire alarm systems - Part 17: Short-circuit isolators**
EN 54-18:2005/AC:2007 : **Fire detection and fire alarm systems - Part 18: Input/output devices**

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 2022-12-19 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The attached annexes form part of this certificate.

Date of issue: **2022-12-19**.



Merete Poulsen
Responsible for evaluation



Chris Ellis
Responsible for certification decision

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Annex 1

EXTENT

Product Information		
Model Reference	Type	
VMI100	Monitored Loop Powered Input Module	
VMC100	Monitored Loop Powered Output Module	
VMC120	Loop Powered Relay Output Module	
VMIC100	Monitored Loop Powered Input / Output Module	
VMIC120	Loop Powered Relay Input / Output Module	
VMMI100	Monitored Mini Loop Powered Input Module	
VMMC100	Mini Monitored Loop Powered Output Module	
VMMC120	Mini Loop Powered Relay Output Module	
VMMIC100	Mini Monitored Loop Powered Input / Output Module	
VMMIC120	Mini Loop Powered Relay Input / Output Module	
Argus Security Model	Alternative Brand Model	Supplier
VMI100	AV114AL	Advantronic Systems S.L
VMC100	AV115AL	Advantronic Systems S.L
VMC120	AV116AL	Advantronic Systems S.L
VMIC100	AV117AL	Advantronic Systems S.L
VMIC120	AV118AL	Advantronic Systems S.L
VMMI100	AV124AL	Advantronic Systems S.L
VMMC100	AV125AL	Advantronic Systems S.L
VMMC120	AV126AL	Advantronic Systems S.L
VMMIC100	AV127AL	Advantronic Systems S.L
VMMIC120	AV128AL	Advantronic Systems S.L
Performance		
Essential characteristics	Clauses in EN 54-17:2005/AC:2007	Performance
Performance under fire conditions	5.2 1)	Pass
Operational reliability	4	Pass
Durability of operational reliability; temperature resistance	5.4, 5.5	Pass
Durability of operational reliability; vibration resistance	5.9 to 5.12	Pass
Durability of operational reliability; humidity resistance	5.6, 5.7	Pass
Durability of operational reliability; corrosion resistance	5.8	Pass
Durability of operational reliability; electrical stability	5.3, 5.13	Pass
1) This is assuming that the effect of the fire is to cause a short circuit in the transmission path that is protected by these devices		

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Essential characteristics	Clauses in EN 54-18:2005/AC:2007	Performance
Response delay (response time)	5.2 1)	Pass
Performance under fire conditions	5.1.4	Pass
Operational reliability	5.1.4	Pass
Durability of operational reliability; temperature resistance	5.3, 5.4	Pass
Durability of operational reliability; vibration resistance	5.8 to 5.11	Pass
Durability of operational reliability; humidity resistance	5.5, 5.6	Pass
Durability of operational reliability; corrosion resistance	5.7	Pass
Durability of operational reliability; electrical stability	5.2, 5.12	Pass
1) Response delays may not be a function of the input/output device, in which case no assessment is made as part of this standard		

Annex 2

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
BSI	244/7033834	2008-07-09
BSI	8217209	2015-09-21

Annex 3

TECHNICAL BASIS

File Number	Title	Date
BOM-VMC100-0001	INTELLIGENT SUPERVISED OUTPUT MODULE (VMC100) - Bill of Material	Rev. M, 2022-07-18
BOM-VMC120-0001	INTELLIGENT FORM C CONTACTS OUTPUT MODULE (VMC120) - Bill of Material	Rev. N, 2022-07-19
BOM-VMI100-0001	INTELLIGENT SUPERVISED INPUT MODULE (VMI100) - Bill of Material	Rev. M, 2022-07-18
BOM-VMIC100-0001	INTELLIGENT SUPERVISED INPUT/OUTPUT MODULE (VMIC100) - Bill of Material	Rev. M, 2022-07-19
BOM-VMIC120-0001	INTELLIGENT FORM C CONTACTS INPUT/OUTPUT MODULE (VMIC120) - Bill of Material	Rev. N, 2022-07-18
BOM-VMMC100-0001	INTELLIGENT SUPERVISED OUTPUT MINIMODULE (VMMC100) - Bill of Material	Rev. L, 2022-07-18
BOM-VMMC120-0001	INTELLIGENT FORM C CONTACTS OUTPUT MINIMODULE (VMMC120) - Bill of Material	Rev. L, 2022-07-19
BOM-VMMI100-0001	INTELLIGENT SUPERVISED INPUT MINIMODULE (VMMI100) - Bill of Material	Rev. L, 2022-07-18
BOM-VMMIC100-0001	INTELLIGENT SUPERVISED INPUT/OUTPUT MINIMODULE (VMMIC100) - Bill of Material	Rev. L, 2022-07-18
BOM-VMMIC120-0001	INTELLIGENT FORM C CONTACTS INPUT/OUTPUT MINIMODULE (VMMIC120) - Bill of Material	Rev. M, 2022-07-18

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