

Notified Body
Nr. 0036



Industrie Service

Certificate of constancy of performance

0036 CPR 91400 001
Revision 01

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

Voice alarm control and indicating equipment for fire detection and fire alarm systems **INTRON-D plus /FA**

for details of classification see page 2

placed on the market under the name or trade mark of

INDUSTRONIC
Industrie-Electronic GmbH & Co. KG
Carl-Jacob-Kolb-Weg 1
97877 Wertheim

and produced in the manufacturing plant

INDUSTRONIC
Industrie-Electronic GmbH & Co. KG
Carl-Jacob-Kolb-Weg 1
97877 Wertheim

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

DIN EN 54-16: 2008-06

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 2016-12-20 and will remain valid as long as neither the harmonised standard, the production product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Munich, 2023-02-13

Johannes Steiglechner
Leiter Zertifizierungsstelle Bauprodukte

This certificate is the english version of the original german certificate. In any case of doubt the german version is binding.
TÜV SÜD INDUSTRIE SERVICE GMBH, WESTENDSTRASSE 199, 80686 MUNICH, GERMANY

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0036 CPR 91400 002

Rev. 01



Industrie Service

Product characteristics

Voice alarm control and indicating equipment for fire detection and fire alarm systems in buildings

Type INTRON-D *plus* /FA

Optional features with requirements

- phased evacuation
- manual silencing of the voice alarm condition
- manual reset of voice alarm condition
- output to fire alarm devices
- voice alarm condition output
- indication of faults related to the transmission path on the CIE
- indication of faults related to voice alarm zones (only NPA-amplifier)
- voice alarm manual control
- emergency microphones
- redundant power amplifiers

Technical data of integrated power supply

- Mains voltage (AC) 230 V (+10/-15)% / 50 Hz
- Amplifier output rating (constant)

Type	250 DVE 13	1 x 250 W
Type	500 DVE 13	2 x 250 W
Type	300 NPA 1x	1 x 300 W
Type	300 NPA 2x	2 x 150 W (±2%)
Type	600 NPA 2x	2 x 300 W
Type	600 NPA 3x	1 x 300 W + 2 x 150 W (±2%)
Type	600 NPA 4x	4 x 150 W (±2%)

This equipment has to be mounted and installed according to the following documentation of the manufacturer

- Wiring instructions Dok. Nr. GDL-330-001-403
- Initial operation and fault correction, Dok. Nr. GDL-330-001-406

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TÜV SÜD INDUSTRIE SERVICE GMBH, WESTENDSTRASSE 199, 80686 MUNICH, GERMANY

Declaration of Performance

According to Construction Products Regulation (EU) No. 305/2011
Document no. DOP-330-002-002

1. Unique identification code of the product type:
Voice alarm control and indicating equipment according to EN54-16, of type INTRON-D *plus* /FA
2. Intended use in accordance with the applicable harmonized technical specification:
Voice alarm control and indicating equipment for fire detection and fire alarm systems in buildings
3. Manufacturer:
INDUSTRONIC®
Industrie-Electronic GmbH & Co. KG
Carl-Jacob-Kolb-Weg 1
97877 Wertheim / Germany
4. Address of the authorized representative:
Not applicable
5. System of assessment and verification of constancy of performance as set out in Annex V:
System 1
6. Harmonized standard:
DIN EN 54-16:2008
7. Notified body:
TÜV SÜD Industrie Service GmbH
Notified body number 0036

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

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8. Declared performance:

Essential characteristics	Performance	Harmonized technical specification
Performance under fire condition - General requirements - General requirements for indications - Voice alarm condition	Passed Passed Passed	EN54-16:2008 clause 4 EN54-16:2008 clause 5 EN54-16:2008 clause 7

- Emergency microphone(s) (option) - Voice alarm manual control - Signal-to-noise ratio - Frequency response of VACIE without microphone(s) - Frequency response of VACIE with microphone(s)	Passed Passed Passed Passed Passed	EN54-16:2008 clause 12 EN54-16:2008 clause 10 EN54-16:2008 clause 16.5 EN54-16:2008 clause 16.6 EN54-16:2008 clause 16.7
Response delay (response time to alarm) - Reception and processing of fire signals - Indication of the voice alarm condition - Audible warning (option) - Delays to entering the voice alarm condition (option) - Phased evacuation (option) - Silencing of the voice alarm condition (partly optional) - Reset of the voice alarm condition (partly optional) - Output to fire alarm devices (option) - Voice alarm condition output (option) - Voice alarm manual control	Passed Passed NPD NPD Passed Passed Passed Passed Passed Passed Passed	EN54-16:2008 clause 7.1 EN54-16:2008 clause 7.2 EN54-16:2008 clause 7.3 EN54-16:2008 clause 7.4 EN54-16:2008 clause 7.5 EN54-16:2008 clause 7.6 EN54-16:2008 clause 7.7 EN54-16:2008 clause 7.8 EN54-16:2008 clause 7.9 EN54-16:2008 clause 12
Operational reliability - General requirements - General requirements for indications - Quiescent condition - Voice alarm condition - Fault warning condition - Indication of faults related to the transmission path to the CIE (option) - Indication of faults related to voice alarm zones (option) - Disablement condition (option) - Voice alarm manual control - Interface to external control device(s) (option) - Voice alarm manual control - Design requirements (partly optional) - Additional design requirements for software controlled VACIE - Marking	Passed Passed Passed Passed Passed Passed Passed Passed NPD Passed NPD Passed Passed Passed Passed Passed	EN54-16:2008 clause 4 EN54-16:2008 clause 5 EN54-16:2008 clause 6 EN54-16:2008 clause 7 EN54-16:2008 clause 8 EN54-16:2008 clause 8.3 EN54-16:2008 clause 8.4 EN54-16:2008 clause 9 EN54-16:2008 clause 10 EN54-16:2008 clause 11 EN54-16:2008 clause 12 EN54-16:2008 clause 13 EN54-16:2008 clause 14 EN54-16:2008 clause 15
Durability of operational reliability, temperature resistance - Output power - Cold (operational)	Passed Passed	EN54-16:2008 clause 16.4 EN54-16:2008 clause 16.8
Durability of operational reliability, impact and vibration resistance - Impact (operational) - Vibration, sinusoidal (operational) - Vibration, sinusoidal (endurance)	Passed Passed Passed	EN54-16:2008 clause 16.11 EN54-16:2008 clause 16.12 EN54-16:2008 clause 16.13
Durability of operational reliability, electrical stability - Supply voltage variation - Electromagnetic compatibility (EMC), immunity tests (operational)	Passed Passed	EN54-16:2008 clause 16.14 EN54-16:2008 clause 16.15
Durability of operational reliability, humidity resistance - Damp heat, steady state (operational) - Damp heat, steady state (endurance)	Passed Passed	EN54-16:2008 clause 16.9 EN54-16:2008 clause 16.10

The performance of the product identified above is in conformity with the set of declared performance(s) under section 8. This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Wertheim, November 2022



Wolfgang Stallmeyer
President



EU - DECLARATION OF CONFORMITY

The voice alarm control and indicating equipment for fire detection and fire alarm systems of type

INTRON-D *plus* /FA

has been designed, constructed and manufactured in sole responsibility by

INDUSTRONIC®
Industrie-Electronic GmbH & Co. KG
Carl-Jacob-Kolb-Weg 1
97877 Wertheim / Germany

in compliance with the EU directives

- 2014/35/EU** - Low Voltage equipment
- 2014/30/EU** - Electromagnetic compatibility (EMC)

applying the following harmonised standards:

Electromagnetic compatibility
EN61000-6-4:2007 + A1:2011, EN50130-4:2003

Safety of information technology equipment
EN62368-1:2014/AC:2015

This declaration certifies the compliance with the mentioned directives. It is no assertion of other properties.

Wertheim, February 2023

Wolfgang Stallmeyer
President



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THE ENGINEERS OF COMMUNICATION