

# CERTIFICATE

## of constancy of performance

### 1922 - CPR - 1143

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

**Fire detection and fire alarm systems. Fire alarm devices - Sounders.  
Short-circuit isolators. Visual alarm devices**

**Addressable sounder and visual alarm devices with short circuit isolator,  
model: SOUND 110**

(with the performance listed, see Annexes I, II and III to 1922-CPR-1143 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of

**TELEDATA S.R.L**

**Via Giulietti 8, Milano 20132, Italy**

and produced in the manufacturing plant of

**TELEDATA S.R.L**

**Via Brescia 24/G, 20063 Cernusco Sul Naviglio, Milano, Italy**

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

**EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006,  
EN 54-17:2005, EN 54-17:2005/AC:2007 and EN 54-23:2010**

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 27.03.2019 and will remain valid until 04.04.2024 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 certificate is supported through annual surveillance audit and is reissued after each surveillance audit. The validity of the certificate may be confirmed in the CE register at the web address [www.dedal-bg.net](http://www.dedal-bg.net).



Manager:

*Anna Vasileva*



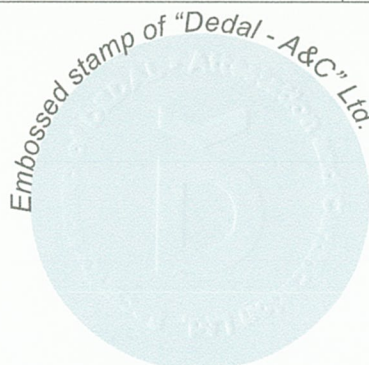
dipl. eng. Anna Vasileva

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Burgas, 02 April 2021

## ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1143/02.04.2021 (page 1 of 1)

Performance list, acc. to EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006

Essential Characteristics	Performance	Clause
<b>Performance parameters under fire conditions</b>		
- Sound level	Pass	4.2
- Frequencies and sound pattern	Pass	4.3
- Reproducibility	Pass	5.2
- Operational performance	Pass	5.3
- Attention drawing signal and message broadcast sequences	N/A	C.3.1
- Synchronisation	N/A	C.3.2
- Broadcast message performance	N/A	C.5.1
- Attention drawing signal/silence/message sequence timing	N/A	C.5.2
- Message synchronization testing	N/A	C.5.3
<b>Operational reliability</b>		
- Durability	Pass	4.4
- Construction	Pass	4.5
- Marking and data	Pass	4.6
- Durability	Pass	5.4
- General testing	N/A	C.4
<b>Durability of operational reliability, temperature resistance</b>		
- Dry heat (operational)	Pass	5.5
- Dry heat (endurance)	N/A	5.6
- Cold (operational)	Pass	5.7
- Damp heat, cyclic (operational)	Pass	5.8
- Damp heat, steady state (endurance)	Pass	5.9
<b>Durability of operational reliability, humidity resistance</b>		
- Damp heat, cyclic (operational)	Pass	5.8
- Damp heat, steady state (endurance)	Pass	5.9
- Damp heat, cyclic (endurance)	N/A	5.10
<b>Durability of operational reliability, corrosion resistance</b>		
- Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	5.11
<b>Durability of operational reliability, shock and vibration resistance</b>		
- Shock (operational)	Pass	5.12
- Impact (operational)	Pass	5.13
- Vibration, sinusoidal (operational)	Pass	5.14
- Vibration, sinusoidal (endurance)	Pass	5.15
<b>Durability, electrical stability</b>		
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.16
<b>Durability of operational reliability, resistance to ingress</b>		
- Enclosure protection	Pass	5.17



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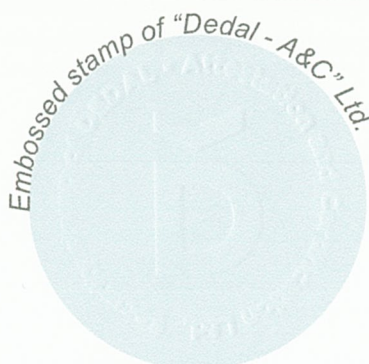


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## ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1143/02.04.2021 (page 1 of 1)

Performance list, acc. to EN 54-23:2010

Essential Characteristics	Performance	Clause
<b>Operational reliability</b>		
- Duration of operation	Pass	4.2.1
- Provision for external conductors	Pass	4.2.2
- Flammability of materials	Pass	4.2.3
- Enclosure protection	Pass	4.2.4
- Access	Pass	4.2.5
- Manufacturer's adjustments	Pass	4.2.6
- On-site adjustment of behavior	Pass	4.2.7
- Requirements for software controlled devices	Pass	4.2.8
<b>Performance parameters under fire conditions</b>		
- Coverage volume	Pass (W-2,4-5)	4.3.1
- Variation of light output	Pass	4.3.2
- Minimum and maximum light intensity	Pass	4.3.3
- Light colour	Pass	4.3.4
- Light pattern and frequency of flashing	Pass	4.3.5
- Marking and data	Pass	4.3.6
- Synchronisation	N/A	4.3.7
<b>Durability, temperature resistance</b>		
- Dry heat (operational)	Pass	4.4.1.1
- Dry heat (endurance)	Pass	4.4.1.2
- Cold (operational)	Pass	4.4.1.3
<b>Durability, humidity resistance</b>		
- Damp heat, cyclic (operational)	Pass	4.4.2.1
- Damp heat, steady state (endurance)	Pass	4.4.2.2
- Damp heat, cyclic (endurance)	Pass	4.4.2.3
<b>Durability, shock and vibration resistance</b>		
- Shock (operational)	Pass	4.4.3.1
- Impact (operational)	Pass	4.4.3.2
- Vibration, sinusoidal (operational)	Pass	4.4.3.3
- Vibration, sinusoidal (endurance)	Pass	4.4.3.4
<b>Durability of operational reliability, corrosion resistance</b>		
- Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	4.4.4
<b>Durability, electrical stability</b>		
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	4.4.5



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## ANNEX III TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1143/02.04.2021 (page 1 of 1)

Performance list, acc. to EN 54-17:2005, EN 54-17:2005/AC:2007

Essential Characteristics	Performance	Clause
<b>Performance under fire conditions</b>		
- Reproducibility	Pass	5.2
<b>Operational reliability</b>		
- Requirements	Pass	4
<b>Durability of operational reliability, temperature resistance</b>		
- Dry heat (operational)	Pass	5.4
- Cold (operational)	Pass	5.5
<b>Durability of operational reliability, vibration resistance</b>		
- Shock (operational)	Pass	5.9
- Impact (operational)	Pass	5.10
- Vibration, sinusoidal (operational)	Pass	5.11
- Vibration, sinusoidal (endurance)	Pass	5.12
<b>Durability of operational reliability, humidity resistance</b>		
- Damp heat, cyclic (operational)	Pass	5.6
- Damp heat, steady state (endurance)	Pass	5.7
<b>Durability of operational reliability, corrosion resistance</b>		
- Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	5.8
<b>Durability of operational reliability, electrical stability</b>		
- Variation of supply parameters	Pass	5.3
- Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.13

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