

CERTIFICATE

of constancy of performance

1922 - CPR - 1004

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 product

**Fire detection and fire alarm systems. Fire alarm devices.
Sounders - FDES101**

(For list of the controlled characteristics of the product, see Annex I, 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

Identification code FND07

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

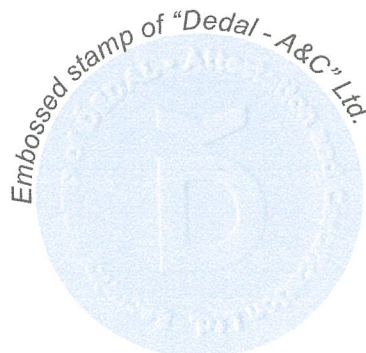
EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006

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 20.04.2018 and will remain valid until 20.04.2019 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.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.



Issued:
Burgas, 20 April 2018



Manager:

arch. Galina Vasileva

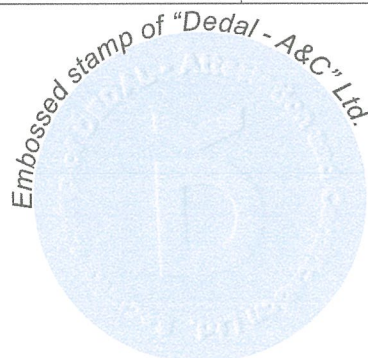


ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922-CPR-1004/ 20.04.2018

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



Issued:
Burgas, 20 April 2018



Manager:




arch. Galina Vasileva

CERTIFICATE

of constancy of performance

1922 - CPR - 1005

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 product

**Fire detection and fire alarm systems. Fire alarm devices.
Sounders - FDESF 101**

(For list of the controlled characteristics of the product, see Annex I, 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

Identification code FND07

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

EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006

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 20.04.2018 and will remain valid until 20.04.2019 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 factory production control 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.



Issued:
Burgas, 20 April 2018



Manager:

arch. Galina Vasileva

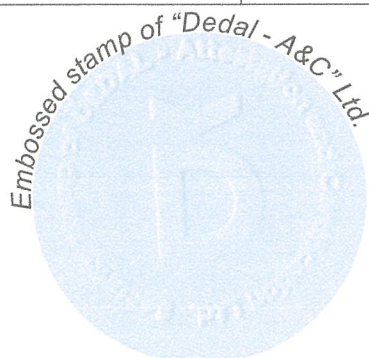


ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922-CPR-1005/ 20.04.2018

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



Issued:
Burgas, 20 April 2018



Manager:  
arch. Galina Vasileva

CERTIFICATE

of constancy of performance

1922 - CPR - 1006

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 product

Fire detection and fire alarm systems. Visual alarm devices - FDEF 102 type: type A for indoor use SB (Shallow Base) and type B for outdoor use DB (Deep Base)

(For list of the controlled characteristics of the product, see Annex I, 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

Identification code FND07

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

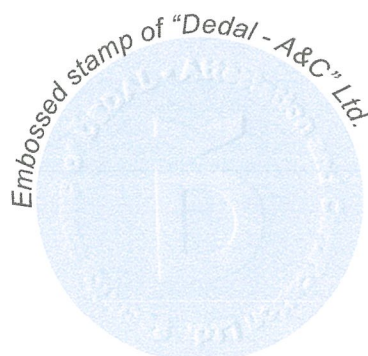
EN 54-23:2010

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 20.04.2018 and will remain valid until 20.04.2019 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 factory production control 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.



Issued:
Burgas, 20 April 2018



Manager:


Dedal
Attestation &
Certification

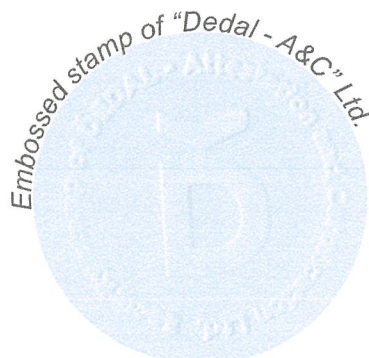
arch. Galina Vasileva

ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922-CPR-1006/ 20.04.2018

Essential characteristics	Performance	Clause
Operational reliability		
- 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
Performance parameters under fire conditions		
- Coverage volume	pass	4.3.1
- Variation of light output	N/A	4.3.2
- Minimum and maximum light intensity	N/A	4.3.3
- Light color	pass	4.3.4
- Light pattern and frequency of flashing	pass	4.3.5
- Marking and data	pass	4.3.6
- Synchronization	N/A	4.3.7
Durability, temperature resistance		
- Dry heat (operational)	pass	4.4.1.1
- Dry heat (endurance)	pass	4.4.1.2
- Cold (operational)	pass	4.4.1.3
Durability, humidity resistance		
- 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
Durability, shock and vibration resistance		
- 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
Durability, corrosion resistance		
- Sulphur dioxide (SO ₂) corrosion (endurance)	pass	4.4.4
Durability, electrical stability		
- Electromagnetic compatibility (EMC), immunity (operational)	pass	4.4.5



Issued:
Burgas, 20 April 2018



Manager:




arch. Galina Vasileva

CERTIFICATE

of constancy of performance

1922 - CPR - 1007

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 product

Fire detection and fire alarm systems. Fire alarm devices. Sounders and Visual alarm devices - FDESF 102

type: type A for indoor use SB (Shallow Base) and type B for outdoor use DB (Deep Base)

(For list of controlled characteristics, see Annex I and Annex II, 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

Identification code FND07

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

EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006 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 20.04.2018 and will remain valid until 20.04.2019 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 factory production control 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.



Issued:
Burgas, 20 April 2018



Manager:

arch. Galina Vasileva

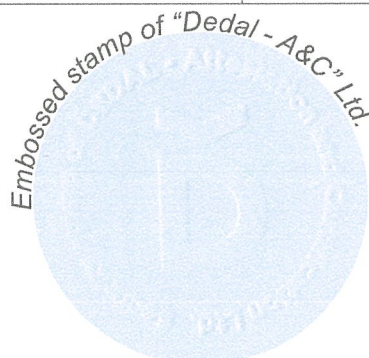


ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922-CPR-1007/ 20.04.2018

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



Issued:
Burgas, 20 April 2018



Manager:




arch. Galina Vasileva

ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922-CPR-1007/ 20.04.2018

Essential characteristics	Performance	Clause
Operational reliability		
- 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
Performance parameters under fire conditions		
- Coverage volume	pass	4.3.1
- Variation of light output	N/A	4.3.2
- Minimum and maximum light intensity	N/A	4.3.3
- Light color	pass	4.3.4
- Light pattern and frequency of flashing	pass	4.3.5
- Marking and data	pass	4.3.6
- Synchronization	N/A	4.3.7
Durability, temperature resistance		
- Dry heat (operational)	pass	4.4.1.1
- Dry heat (endurance)	pass	4.4.1.2
- Cold (operational)	pass	4.4.1.3
Durability, humidity resistance		
- 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
Durability, shock and vibration resistance		
- 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
Durability, corrosion resistance		
- Sulphur dioxide (SO ₂) corrosion (endurance)	pass	4.4.4
Durability, electrical stability		
- Electromagnetic compatibility (EMC), immunity (operational)	pass	4.4.5



Issued:
Burgas, 20 April 2018



Manager:  
arch. Galina Vasileva