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Notified Body Id. No.:1383

V 3136

TESTCOM – Certifiying Body for Certification of Products No. 3136,
accredited by CAI according to ČSN EN ISO/IEC 17065:2013
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EU-type examination C E R T I F I C A T E

(Radio Equipment Directive 2014/53/EU, Annex III)

No. 0120-CC-V0008-20

Product:	Security sensor
Trade name / brand name	FORTEZA
Model / Type:	**FORTEZA-M200**
Manufacturer	OOO OKHRANNAYA TECHNIKA
Manufacturer address:	Promyshlennaya Street 25 Zarechny Penza Region 442960 Russia
Software version:	Config FORTEZA-M Series setup v.1.12
Hardware version:	FORTEZA-M200
Frequency bands of operation:	24,05 – 24,25 GHz

The Notified Body No.:1383 - Czech Metrology Institute,
after the examination of the technical documentation as drawn by the manufacturer,
announces
that the essential requirements of Article 3.1a, 3.1b and Article 3.2
of Radio Equipment Directive 2014/53/EU (Government Decree No.: 426/2016 Coll.).
have been met.

The conformity assessment on the radio equipment listed above and as described in Annex 1 to this EU-type examination certificate has been carried out in accordance with Annex III (module B) of RADIO Equipment Directive 2014/53/EU (Government Decree No.: 426/2016 Coll., Annex 3).

A list of documentation forming the basis for the EU-type examination is provided in Annex 2 to this EU-type examination certificate.

This EU-type Examination certificate relates only to the documents as provided to CMI.

Český metrologický institut NOTIFIKOVANÁ OSOBA AO 250 1383 15

Prague, July 14 - 2020

František Šebek, Ph.D.
Deputy Head of Notified Body

Annex 1 to EU-type examination certificate for RED 2014/53/EU
No.: 0120-CC-V0008-20
Model: FORTEZA-M200
Date of issue: July 14, 2020

Technical description

The Protection Linear Microwave Security sensors FORTEZA-M are intended for the protection of flat open sites, for generation and transmission of the alarm signal to the control panel in case of intruder crossing the protected site.

The sensors generate the alarm signal in the following cases:

- when the detection zone is crossed by an intruder (a man from 50 kg and from 165 cm high) with the speed from 0,1 to 10 m/s «at his full height» or «bent» with the probability not less than 0,98;
- when there is no signal from the Tx unit;
- when an external electromagnetic field affects the Rx unit with the purpose to mask it. It is allowed not to have the alarm signal when an external electromagnetic field affects the Rx unit, in this case the sensor keeps its working capacity;
- when any of the units taking part in forming the detection zone is masked by a screen;
- when an unauthorized access to the control units takes place whether power on or off;
- when the power supply voltage drops below 9 V DC;
- when Tx unit or Rx unit fails.

Basic technical parameters:

Frequency bands:	24,05 – 24,25 GHz
Operation frequency:	24,15 GHz (TX and RX)
Maximum transmit power (ERP):	≤ 20 mW
Operating conditions:	
	temperature: -50°C~ +80° C relative air humidity up to 100% at the temperature of 25°C with condensation of moisture.
Power supply:	9 to 30 VDC
Max, current consumption:	45 mA
Dimensions:	(395 x 182 x 100) mm
Weight:	1,4 kg

The transmitter radiates the pulses of UHF radiation to the direction of the receiver. The receiver receives the pulses of UHF radiation and registers the attempts of crossing the detection zone according to the given algorithm. The distances between the transmitter and receiver is from 10 to 200 m.

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Annex 2 to EU-type examination certificate for RED 2014/53/EU
No.: 0120-CC-V0008-20
Model: FORTEZA-M200
Date of issue: July 14, 2020

1. Test report:	**Report number:**	**Dated:**
RA	8551-PT-R0076-20	June 11, 2020
EMC	8551-PT-E0076-20	June 06, 2020
Electrical Safety	8551-PT-B0076-20	May 05, 2020
EMF Exposure	(Manufacturer)	June, 2020

2. Certificate:

3. Technical Documentation provided:

- User Manual SECURITY SENSOR FORTEZA-M200 ((ФРСБ.425144.078-01РЭ)
- Passport Security Sensor FORTEZA-M200 (ФРСБ.425144.078-01ПС)
- Processing board Assembly drawing ENG
- Processing board Electrical schematic diagram ENG
- Processing board List of elements ENG
- Processing board Specification ENG
- Modulator board Assembly drawing ENG
- Modulator board Electrical schematic diagram ENG
- Modulator board List of elements ENG
- Modulator board Specification ENG
- Letter of Authority No.: 125
- Application Form AF 300 440 V2.2.1 ENG
- Risk assessment ENG
- Declaration of Conformity

4. Standards used to demonstrate conformity with the essential requirements of Radio Equipment Directive 2014/53/EU:

Radio Spectrum ((Article 3.2):	ETSI EN 300440 V2.2.1
EMC (Article 3.1.b):	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-3 V2.1.1
Product Safety (Article 3.1a)	EN 62 368-1:2015,+A11:2017,+Cor.2:2018
RF Safety (Article 3.1a)	EN 62 311:2008

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Annex 2 to EU-type examination certificate for RED 2014/53/EU
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Additional information:

This is Class 1 device.

Radio Equipment Directive 2014/53/EU, Article 10.4: Manufacturers shall keep the technical documentation and the EU declaration of conformity for 10 years after the radio equipment has been placed on the market.

Radio Equipment Directive 2014/53/EU, Article 10.6: Manufacturers shall ensure that radio equipment which they have placed on the market bears a type, batch or serial number or other element allowing its identification, or, where the size or nature of the radio equipment does not allow it, that the required information is provided on the packaging, or in a document accompanying the radio equipment.

Radio Equipment Directive 2014/53/EU, Article 10.7: Manufacturers shall indicate on the radio equipment their name, registered trade name or registered trade mark and the postal address at which they can be contacted or, where the size or nature of radio equipment does not allow it, on its packaging, or in a document accompanying the radio equipment. The address shall indicate a single point at which the manufacturer can be contacted. The contact details shall be in a language easily understood by end-users and market surveillance authorities.

Radio Equipment Directive 2014/53/EU, Article 10.8: Manufacturers shall ensure that the radio equipment is accompanied by instructions and safety information in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned. Instructions shall include the information required to use radio equipment in accordance with its intended use. Such information shall include, where applicable, a description of accessories and components, including software, which allow the radio equipment to operate as intended. Such instructions and safety information, as well as any labelling, shall be clear, understandable and intelligible.

The following information shall also be included in the case of radio equipment intentionally emitting radio waves:

(a) frequency band(s) in which the radio equipment operates;

(b) maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates.

Radio Equipment Directive 2014/53/EU, Article 10.9: Manufacturers shall ensure that each item of radio equipment is accompanied by a copy of the EU declaration of conformity or by a simplified EU declaration of conformity. Where a simplified EU declaration of conformity is provided, it shall contain the exact internet address where the full text of the EU declaration of conformity can be obtained

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Annex 2 to EU-type examination certificate for RED 2014/53/EU
No.: 0120-CC-V0008-19
Model: FORTEZA-M200
Date of issue: July 14, 2020

Radio Equipment Directive 2014/53/EU, Article 10.10: In cases of restrictions on putting into service or of requirements for authorization of use, information available on the packaging shall allow the identification of the Member States or the geographical area within a Member State where restrictions on putting into service or requirements for authorization of use exist. Such information shall be completed in the instructions accompanying the radio equipment.

Radio Equipment Directive 2014/53/EU, Article 19.2: On account of the nature of radio equipment, the height of the CE marking affixed to radio equipment may be lower than 5 mm, provided that it remains visible and legible.

Radio Equipment Directive 2014/53/EU, Article 20.1: The CE marking shall be affixed visibly, legibly and indelibly to the radio equipment or to its data plate, unless that is not possible or not warranted on account of the nature of radio equipment. The CE marking shall also be affixed visibly and legibly to the packaging.

Radio Equipment Directive 2014/53/EU, Annex III, Module B7: The manufacturer shall inform the notified body that holds the technical documentation relating to the EU-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Directive or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original EU-type examination certificate.

In accordance with Notified Body guidance; if there are no changes, a Notified Body EU-type examination certificate has a validity of 10 years from the date of issue.

The Declaration of Conformity under Directive 2014/53/EU or a copy thereof must be supplied with each device.

Device designation:

CE

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