

# CERTIFICATE

## of constancy of performance

### 1922 - CPR - 1145

In compliance with Regulation (EU) No 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

**Smoke alarm devices. Smoke detector.**

**Models: Ajax FireProtect and Ajax FireProtect Plus.**

**Intended use: Fire safety**

(with the performance listed, see Annex I to 1922-CPR-1145 that is an inseparable part of this certificate)

placed on the market under the name or trade mark of

**AJAX SYSTEMS CYPRUS HOLDINGS LTD**

**Ifigeneias, 17, Strovolos, 2007, Nicosia, Cyprus**

and produced in the manufacturing plant

**"AJAX SYSTEMS MANUFACTURING" LIMITED LIABILITY COMPANY**

**Sklyarenko 5, Kyiv, 04073, Ukraine**

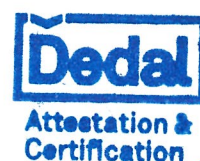
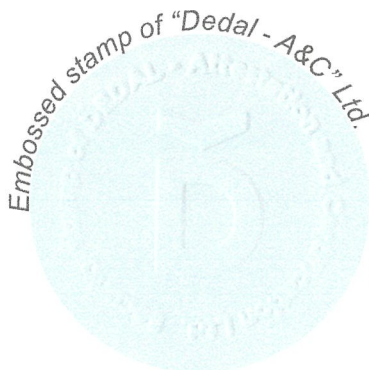
This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

**EN 14604:2005; EN 14604:2005/AC:2008**

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 04.04.2019 and will remain valid until 14.01.2022 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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. 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).

The manufacturer was first certified according to **EN 14604:2005** on 06.01.2017 -  
Certificate number: 1922-CPR-0815.



Manager:

*Anna Vasileva*

Issued:  
Burgas, 20 May 2021

Ref. No. 01-00

dipl. eng. Anna Vasileva

## ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 1145/20.05.2021 PAGE 1/2

Performance list, acc. to EN 14604:2005; EN 14604:2005/AC:2008

Essential Characteristics	Performance	Clause
<b>Nominal activation conditions / sensitivity / Response delay (response time) and performance under fire conditions</b>		
- Smoke alarm signals	pass	4.12
- Inter-connectable smoke alarms	N/A	4.18
- Repeatability	pass	5.2
- Directional dependence	pass	5.3
- Initial sensitivity	pass	5.4
- Air movement	pass	5.5
- Dazzling	pass	5.6
- Fire sensitivity	pass	5.15
- Sound output	pass	5.17
- Sounder durability	pass	5.18
- Inter-connectable smoke alarms	N/A	5.19
- Alarm silence facility	pass	5.20
<b>Operational reliability</b>		
- Compliance	pass	4.1
- Individual alarm indicator	pass	4.2
- Mains-on indicator	N/A	4.3
- Connection of external ancillary devices	N/A	4.4
- Means of calibration	pass	4.5
- User replaceable components	pass	4.6
- Normal power source	pass	4.7
- Standby power source	N/A	4.8
- Electrical safety requirements	pass	4.9
- Routine test facility	pass	4.10
- Terminals for external conductors	N/A	4.11



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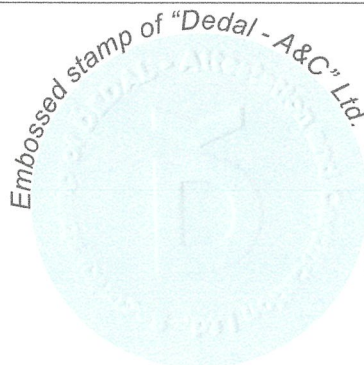
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**ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE**  
**1922 - CPR - 1145/20.05.2021**  
**PAGE 2/2**

Performance list, acc. to EN 14604:2005; EN 14604:2005/AC:2008

Essential Characteristics	Performance	Clause
<b>Operational reliability</b> <ul style="list-style-type: none"> <li>- Battery removal indication</li> <li>- Battery connections</li> <li>- Battery capacity</li> <li>- Protection against the ingress of foreign bodies</li> <li>- Additional requirements for software controlled smoke alarms</li> <li>- Marking and data</li> <li>- Impact</li> <li>- Battery fault warning</li> <li>- Battery reversal</li> <li>- Back-up power source</li> <li>- Electrical safety – assessment and testing to determine the adequacy of personal protection against hazardous currents passing through the human body (electric shock), excessive temperature and the start and spread of fire</li> </ul>	<p>pass</p> <p>pass</p> <p>pass</p> <p>pass</p> <p>pass</p> <p>pass</p> <p>pass</p> <p>pass</p> <p>pass</p> <p>N/A</p> <p>pass</p>	<p>4.13</p> <p>4.14</p> <p>4.15</p> <p>4.16</p> <p>4.17</p> <p>4.19</p> <p>5.11</p> <p>5.16</p> <p>5.22</p> <p>5.23</p> <p>5.24</p>
<b>Tolerance to supply voltage</b> <ul style="list-style-type: none"> <li>- Variation in supply voltage</li> </ul>	<p>pass</p>	<p>5.21</p>
<b>Durability of operational reliability and response delay, temperature resistance</b> <ul style="list-style-type: none"> <li>- Dry heat</li> <li>- Cold (operational)</li> </ul>	<p>pass</p> <p>pass</p>	<p>5.7</p> <p>5.8</p>
<b>Durability of operational reliability, vibration resistance</b> <ul style="list-style-type: none"> <li>- Vibration (operational)</li> <li>- Vibration (endurance)</li> </ul>	<p>pass</p> <p>pass</p>	<p>5.12</p> <p>5.13</p>
<b>Durability of operational reliability, humidity resistance</b> <ul style="list-style-type: none"> <li>- Damp heat (operational)</li> </ul>	<p>pass</p>	<p>5.9</p>
<b>Durability of operational reliability, corrosion resistance</b> <ul style="list-style-type: none"> <li>- Sulphur dioxide (SO<sub>2</sub>) corrosion</li> </ul>	<p>pass</p>	<p>5.10</p>
<b>Durability of operational reliability, electrical stability</b> <ul style="list-style-type: none"> <li>- Electromagnetic compatibility (EMC), immunity (operational)</li> </ul>	<p>pass</p>	<p>5.14</p>



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