

**DECLARATION OF PERFORMANCE**

**According to Construction Products Regulation EU 305/2011**  
No. 0470–CPD -0038

1. Unique identification code

FIRESCAPE

2. Type code.

FIRESCAPE, FS-UP/xx, FS-HOAN, FS-LOOP-CARD-ADAPTER, FS-MAP-CABINET, FS-MAP-CABINET-DOOR, FS-DOOR, FS-BATTERY-CABINET, FS-STACK-KIT

3. Intended use:

Fire alarm system, consisting of Firescape fire alarm panel, FS-UP keypad, FS-HOAN interface for Addressable fire alarm detectors, call points, emergency lighting, modules etc. Necessary housings and back boards.

4. Name and contact details of manufacturer

Oy Hedengren Security Ab  
Lauttasaarentie 50  
00200 HELSINKI

[www.hedengrensecurity.fi](http://www.hedengrensecurity.fi)

- 5.

6. System of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 1

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

EN54-2:1997/AC:1999/ A1:2006  
EN54-4:1997/AC:1999 / A1:2002 / A2:2006

Notified body no: 0470, Nemko As Norway Performed type testing and the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control, under system 1 and issued EC certificate of conformity (0470–CPD -0038).

- 8.

## 9. Declared performance

<b>Harmonised technical specification</b>		<b>EN 54-2:1997 + A1:2006</b>
<b>Essential Characteristics</b>	<b>Performance<sup>1)</sup></b>	<b>Clause</b>
<i>Performance under fire conditions</i>		
- General requirements	pass	4
- General requirements for indications	pass	5
- The fire alarm condition	pass	7
<i>Response delay (response time to fire)</i>		
- Reception and processing of fire signals	pass	7.1
- Output of the fire alarm condition	pass	7.7
- Delay to outputs	pass	7.11
- Dependencies on more than one alarm signal	pass	7.12
<i>Operational reliability</i>		
- General requirements	pass	4
- General requirements for indications	pass	5
- The quiescent condition	pass	6
- The fire alarm condition	pass	7
- Fault warning condition	pass	8
- Disabled condition	pass	9
- Test condition	pass	10
- Standardized input/output interface	N/A	11
- Design requirements	pass	12
- Additional design requirements for software controlled control and indicating equipment	pass	13
- Marking	pass	14
<i>Durability of operational reliability, temperature resistance</i>		
- Cold (operational)	pass	15.4
<i>Durability of operational reliability, vibration resistance</i>		
- Impact (operational)	pass	15.6
- Vibration, sinusoidal (operational)	pass	15.7
- Vibration, sinusoidal (endurance)	pass	15.15

<p><i>Durability of operational reliability, electrical stability</i></p> <ul style="list-style-type: none"> <li>- <i>Electromagnetic compatibility (EMC), immunity tests (operational)</i></li> <li>- <i>Supply voltage variations</i></li> </ul>	<p><i>pass</i></p> <p><i>pass</i></p>	<p><i>15.8</i></p> <p><i>15.13</i></p>
<p><i>Durability of operational reliability, humidity resistance</i></p> <ul style="list-style-type: none"> <li>- <i>Damp heat, steady state (operational)</i></li> <li>- <i>Damp heat, steady state (endurance)</i></li> </ul>	<p><i>pass</i></p> <p><i>pass</i></p>	<p><i>15.5</i></p> <p><i>15.14</i></p>
<p><sup>1)</sup> N/A "not applicable". No provision.</p>		

<b>Harmonised technical specification</b>		<b>EN 54-4:1997 + A1:2002 + A2:2006</b>
<b>Essential Characteristics</b>	<b>Performance<sup>1)</sup></b>	<b>Clause</b>
Performance of power supply		
- General requirements	pass	4
- Functions	pass	5
- Materials, design and manufacture	pass	6
Operational reliability		
- General requirements	pass	4
- Functions	pass	5
- Materials, design and manufacture	pass	6
- Documentation	pass	7
- Marking	pass	8
Durability of operational reliability, temperature resistance		
- Cold (operational)	pass	9.5
Durability of operational reliability, vibration resistance		
- Impact (operational)	pass	9.7
- Vibration, sinusoidal (operational)	pass	9.8
- Vibration, sinusoidal (endurance)	pass	9.15
Durability of operational reliability, electrical stability		
- Electromagnetic compatibility (EMC), immunity tests (operational)	pass	9.9
Durability of operational reliability, humidity resistance		
- Damp heat, steady state (operational)	pass	9.6
- Damp heat, steady state (endurance)	pass	9.14
<sup>1)</sup> N/A "not applicable". No provision.		

04/10/2015

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed on and behalf of the manufacturer by:

Oy Hedengren Security Ab

Kauko Pirskanen  
Managing Director

