

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-00648

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(s)

Product(s): **Wireless Door Control**
(refer to attached appendix for details and conditions)

Placed on the market
under the name or trade mark of: **EMS Limited**
Technology House, Sea Street
Herne Bay, Kent, CT6 8JZ
United Kingdom

and produced in the
manufacturing plant(s): **EMS Security Group Limited (SG- 15557)**
Technology House, Sea Street
Herne Bay, Kent, CT6 8JZ
United Kingdom

Intended use: **Fire Safety**

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

EN 54-25:2008+AC:2012
EN 1155:1996+A1:2002+AC:2006

Under System 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

This certificate was first issued under **0359-CPR-00648** on **2020-06-03** and will remain valid 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Notified Body 0905

Certification Manager: Dipl.-Ing. Roland Heine **Date Issue:** 2020-11-23

Signature:


96508



Issue: 1

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The details and conditions of use for the Wireless Door Control, placed on the market under the name or trade mark of:

EMS Limited
Technology House, Sea Street
Herne Bay, Kent, CT6 8JZ
United Kingdom

To be used in accordance with the supplier's installation instructions and in conjunction with the following bases, ancillaries, sounder tones and sensitivity settings (*where applicable*):

Products compliant with EN 54-25:2008+AC:2012 and EN 1155:1996+A1:2002+AC:2006

Model	Manufacturing Location	Description
FC-60-2000	SG-15557	FireCell Wireless Door Control (black)
FC-60-2010	SG-15557	FireCell Wireless Door Control (white)
FC-60-2020	SG-15557	FireCell Wireless Door Control (wood effect)

Conditions of use:

Suitable for indoor applications only

Approved settings:

Not applicable

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Table A1. Mechanical test report & product classification for electrically powered hold open devices from EMS RADIO FIRE & SECURITY SYSTEMS

Test Report	Model Number	Product Classification ^a					
		3	5	3-7 ^c	1 ^d	1	0
WIL 412174	FC-60-2000 ^b						

Notes.

- Electrically powered hold open devices shall be installed and maintained in accordance with the installation and maintenance instructions for the product.
- 00-Black colour variant that was fire tested
- Closer strength; Size 3; door mass 60 kg & Size 7; door 160 kg
- Digit 4 grade "1" was based on the test result from fire resistance test (refer to Table A2).

Table A2. Fire test report(s) for EMS RADIO FIRE & SECURITY SYSTEMS

Test Report	Model tested	Test Method	Fire Resistance (minutes) ¹	
			Integrity (E)	Insulation (I ₂)
RS-19/B-118/E <small>2,3</small>	FC-60-2000 (Bridgeman FD30 doorset) <small>4,5,6,7</small>	EN 1634-1:2014 ⁸	30 ⁹	30 ⁹

- Duration of test – 41 minutes
- Orientation: Doorset I – opening towards the furnace (retainer on unexposed side)
- Orientation: Doorset II – opening towards furnace (retainer on exposed side)
- Model in the test report (**Dorgard 1328-A01**) is equivalent to the certified product marketed by EMS.
- Door leaf dimensions 928mm (wide) x 2138mm (height) x 44mm (overall thickness), *average door leaf weight 57kg*
- Single action, single door leaf
- Door leaf construction: stile and rail construction (timber/wooden) with IBC flax core (nominal density 350 kg/m³, 36mm thick).
- Amendment to EN 1634-1:2014+A1:2018, does not affect the validity of reported fire resistance duration in this test report.
- Reported values show compliance with the 30 minute fire resistance period stated in this summary of fire resistance for the doorsets tested, the individual values for the evaluation criteria varied (all above 30 minutes). The Gap Gauge was not employed as part of integrity evaluation.

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Table A3. EN 1155:1996/A1:2002/AC:2006 Annex ZA Table ZA.1a Related Information for electrically powered hold open devices from EMS RADIO FIRE & SECURITY SYSTEMS

Product:	Separate electrically powered hold-open devices, as covered by the scope of this standard		
Intended use:	On fire and smoke compartmentation doors (to fulfil the ability to release requirement).		
Requirement/characteristic	Standard clause	Result Summary	
		Power Size 3	Power Size 7
Ability to release and its durability	5.1.2 to 5.1.3	Pass	
	5.1.4, 5.1.5 & 5.1.6	Not Applicable	
	5.2.1 General (Closing torque 0 to 4°)	21.2 Nm	90.4 Nm
	5.2.2 Electrical release	0.32s, 2.2V	0.34s 2.2V
	5.2.5 Angle of hold open	95°	
	5.2.6 Manual release	Hold 40 Nm (5secs) Releases by switch	
	5.2.7 Continuous hold open	Pass	
	5.2.8 Overload performance (5 drops)	15 kg No damage	36 kg No damage
	5.2.9 Delayed released (optional)	Not tested	
	5.2.10 Electrical performance (5.2.7 & 5.2.9 and 5.2.6)	Pass ¹	
	5.2.11 Temperature rise	Not Applicable	
	5.2.12 Damage	No damage reported during testing	
	5.2.13 Fire/smoke door suitability	Refer to Table A2	
Durability of ability to release	5.2.4 Durability (7.2.8.1 & 7.2.8.2)	25 000 cycles & 25 000 cycles	
	5.2.14 Corrosion resistance 5.2.14.1 & 5.2.14.2	Grade 0 (Not tested)	
Control dangerous substances	Dangerous substances (5.1.1)	No dangerous substances declared for this product/ intended use	
Notes.			
1. EN 1125:2008 Clause 5.29 (optional) not tested for this product (hold open device). Pass relates to clauses 5.2.6 & 5.2.7)			
2. PASS in this table; means that the clause within the product standard BS EN 1155:1996/A1:2002/AC:2006 has been met by documents submitted by the certificate holder.			

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EN54-25:2008**

Table ZA.A – Relevant Clauses

Essential characteristics	Requirement Clauses in this European Standard	Mandated level(s) and class(es)	Notes
Performance parameters under fire conditions	4.1, 4.2.2, 5.2, 8.3.7	None	a
Response delay (response time to fire)	8.2.3, 8.2.6		a
Operational reliability	4.2.1, 4.2.3 to 4.2.7* , 5.3, 5.4* , 6, 7, 8.2.2, 8.2.4, 8.2.5, 8.2.7, 8.2.8 b, 8.2.9, 8.3.1, 8.3.2, 8.3.3, 8.3.4, 8.3.5, 8.3.6		b
Durability of operational reliability, Temperature resistance	8.3.9 c, 8.3.10 c, 8.3.11		c
Durability of operational reliability, Vibration resistance	8.3.16 c, 8.3.17 to 8.3.19		c
Durability of operational reliability, Humidity resistance	8.3.12 d, 8.3.13* e, 8.3.14		d, e
Durability of operational reliability, Corrosion resistance	8.3.15 c		c
Durability of operational reliability, Electrical stability	8.3.20		
<p>a The products covered by this standard are assumed to enter the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.</p> <p>b Only applicable to components required to indicate loss of communication or to transmit this information to the CIE.</p> <p>c Not applicable for CIE</p> <p>d Not applicable for CIE and smoke detectors</p> <p>e Not applicable for CIE and smoke detectors</p> <p>*Clause deemed N/A to this product(s) and therefore not tested by Intertek.</p>			

General Notes:

1. Evaluated under Intertek project number G102927068.
2. No CE or other type approval is made or inferred outside of the attestation of conformity and the product performance as stipulated on this certificate.

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