

Certificate of Constancy of Performance

0359-CPR-000331-01



Appendix to Certificate of Constancy of Performance 0359-CPR-000331-01

Model Ref: **Panic Exit device: 4201R-32D, 4201R-ALM, 4201S-32D, 4201S-ALM**

Table A1. Model number details for Panic Exit Device from Hager Companies, Inc.

Model list	Single door	Double door		Lock & Latch type	Material (Touch Bar)
		Active door	Inactive door		
4201R-ALM	✓	✓	--	Rim Latch	Carbon Steel
4201R-32D	✓	✓	--	Rim Latch	Stainless steel
4201S-ALM	--	--	✓	Vertical Bolt	Carbon Steel
4201S-32D	--	--	✓	Vertical Bolt	Stainless steel
Accessories					
42KE	Lever Outside access device				
42CE	Lever Outside access device				
Notes:					
<ol style="list-style-type: none"> The panic exit device(s) are to be installed in accordance with the installation instructions for the product(s). This certificate of constancy of performance refers to the requirements for the product(s) described under the CPR. There may be other European Directives, where requirements need to be declared before CE marking can be affixed by the manufacturer or their authorised representative. Products tested for use on metal doors and frames, as described in fire resistance test reports (see summary Table A.3) Product code ALM – designation represents mild steel cover Product code 32D – designation represents stainless steel cover 					

Table A2. Mechanical test reports and product classification for Panic Exit Devices from Hager Companies, Inc.

Mechanical test reports	Model list	Product Classification									
		3	7	6	B ¹	1	4	2	2	B	A
161107112GZU-001	4201R-ALM	3	7	6	B ¹	1	4	2	2	B	A
	4201R-32D	3	7	6	B ¹	1	4	2	2	B	A
	4201S-ALM	3	7	6	B ¹	1	4	2	2	B	C
	4201S-32D	3	7	6	B ¹	1	4	2	2	B	C
Notes:											
<ol style="list-style-type: none"> Digit 4 grade “B” was based on the test result from fire resistance test(s) (refer to Table A3). 											

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Table A3. Fire test reports for Panic Exit Device from Hager Companies, Inc.

Fire Test Reports	Model list	Test Method	Fire Resistance (minutes)	
			Integrity (E)	Insulation (I)
161107112GZU-001	4201R-ALM	EN 1634-1:2014	60	60
Test configuration: Single Action Single Door, timber fire door assembly Orientation: Open into the furnace Model numbers assessed as having same performance: 4201R-32D				
161107112GZU-001	4201S-ALM	EN 1634-1:2014	60	60
Test configuration: Single Action Single Door, timber fire door assembly Orientation: Open into the furnace Model numbers assessed as having same performance: 4201S-32D				
161107112GZU-001	4201R-ALM	EN 1634-1:2014	62	62
Test configuration: Single Action Single Door, timber fire door assembly Orientation: Open away from the furnace. Model numbers assessed as having same performance: 4201R-32D				
161107112GZU-001	4201S-ALM	EN 1634-1:2014	90	90
Test configuration: Single Action Single Door, timber fire door assembly Orientation: Open away from the furnace Model numbers assessed as having same performance: 4201S-32D				
161107112GZU-001	4201R-ALM (active door) 4201S-ALM (inactive door)	EN 1634-1:2014	70	70
Test configuration: Single Action Double Door, timber fire door assembly Orientation: Open into the furnace Model numbers in pair assessed as having same performance: (4201R-32D, 4201S-32D)				
161107112GZU-001	4201R-ALM (active door) 4201S-ALM (inactive door)	EN 1634-1:2014	70	70
Test configuration: Single Action Double Door, timber fire door assembly Orientation: Open away from the furnace Model numbers in pair assessed as having same performance: (4201R-32D, 4201S-32D)				

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Table A4. Panic Exit Device - EN 1125 Table ZA.1 Clauses for panic exit device (Hager Brand)

Product:	Panic exit devices (4201R-32D, 4201R-ALM, 4201S-32D, 4201S-ALM)	
Intended uses:	For doors on escape routes.	
Requirement / characteristic	Requirement clauses in this European Standard	Results
Ability to release (for doors on escape routes)	4.1.2 Release function	< 1 second
	4.1.3 Panic exit device mounting	Surface mounted on inner face of door leaf.
	4.1.5 Exposed edges and corners	No sharp edges
	4.1.7 Double doorset	Pass
	4.1.9 Bar installation	Z < 150 mm
	4.1.10 Bar length	X/Y > 60%
	4.1.11 Bar projection	Standard projection Category 2: W < 100 mm
	4.1.12 Bar end	The operating bar does not protrude beyond either of the end support brackets
	4.1.13 Operating bar face	V > 18 mm
	4.1.14 Test rod	Pass, The device does not trap the test rod in any position of the operating bar
	4.1.15 Door face gap	R > 25 mm
	4.1.16 Accessible gap	The test piece placed in any accessible gap cannot prevent the correct operation of the device
	4.1.17 Door free movement	The device does not include any element impeding the free movement of the door once it is released
	4.1.18 Top vertical bolt	Pass (4201S-ALM, 4201S-32D only)
	4.1.20 Keepers	The keeper protects the door frame from the damage caused by the door closing and opening
	4.1.21 Keepers dimensions	Pass (4201S-ALM, 4201S-32D only)
	4.1.23 Door mass and dimensions	Mass 200 Kg, height ≤ 2500 mm, width 650 to 1320 mm (dimensions mechanical only)
4.1.24 Outside access device	Pass(Where included as part of test)	
4..2.2 Release forces	< 80 N with the door unloaded < 220 N with the door loaded with 1 000 N	
4.2.7 Security requirement	Grade 2: the device remains locked when a force of 1 000 N is applied to the door	

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Durability of ability to release against aging and degradation (for doors on escape routes)	4.1.4; 4.2.9 Corrosion resistance	Grade 4: Very high resistance (240 hours)
	4.1.6 Temperature range	-10°C; +60°C
	4.1.19 4.2.6 Covers for vertical rods	NPD (No Declare Performance)
	4.1.22 Lubrication	Refer to Manufacturer's Maintenance Instructions
	4.2.3 Re-engagement force	< 50 N
	4.2.4 Durability	Grade 7 200 000 test cycles
	4.2.5 Abuse resistance – Horizontal bar	Pass
	4.2.6 Abuse resistance –Vertical rod	Pass (4201S-ALM, 4201S-32D only)
4.2.8; 4.2.2; 4.1.17 Final examination	The device is released with a force < 80 N, with the door unloaded, and < 220 N, with the door loaded with 1 000 N, and the door moves freely	
Self closing ability C (for fire/smoke doors on escape routes)	4.2.3 Re-engagement force	< 50 N
Durability of self closing ability C against aging and degradation (for fire/smoke doors on escape routes)	4.2.4 Durability	Grade 7 200 000 test cycles
	4.2.3 Re-engagement force	< 50 N
Resistance to fire E (integrity) and (insulation) (for fire doors on escape routes)	4.1.8; Annex B Suitability of panic exit devices for use on fire/smoke resisting door assemblies –	Grade B: suitable for use on fire/smoke resisting door assemblies (see Table A3).
Control of Dangerous substances	4.1.25 dangerous substances	No dangerous substances declared for this product/intended use

END OF DOCUMENT

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