



The widest range of HIGH SECURITY PORTALS

SPECIFICATION BROCHURE

www.dfes.pl

Alluser Industrie

Alluser Industries has been working in the security sector since **1968**, providing solutions to protect entrances by controlling access to authorised users.

The Alluser Security Portals are all based on the same principles of safety, reliability, ease of use and flexibility to retrofitting.

PATENTS

Everyday Alluser works on new advancements in security products and solutions to make the world a safer place. We continuously apply for **new patents** to protect these advancements and ensure we remain unique. Our **HPJ140 (the original Half Portal)** is the example of our innovation leadership in the Portals market.

QUALITY

Our mission is providing you with a quality product that matches your needs from both aesthetic and security point of view. We stand apart from other companies due to our unique approach to ensuring our products offer the highest level of security available whilst still catering for your unique requirements.



CERTIFICATIONS

We are proud to offer the widest range of Security Portals and options available in the market. The majority of Alluser products are available in **Class 3 and Class 4 Attack resistant versions**, in accordance with the **European standard EN 1627 - 30.**

Alluser has achieved a **world-first** after announcing that its **C190-S1 to S3 Security Portals** have gained approval to **Loss Prevention Standard (LPS) 1175: Issue 7 Security Ratings 1 to 3.** The **Alluser Fire Rated Half Portal range** provides a highly secure fire rated entrance solution certified to EI120* as per the European Fire Resistance norm: **EN13501-2 & EN1634-1: 2014**.



Certified company UNIEN ISO 9001:2015 Certificate of quality management system n° 50 100 14143

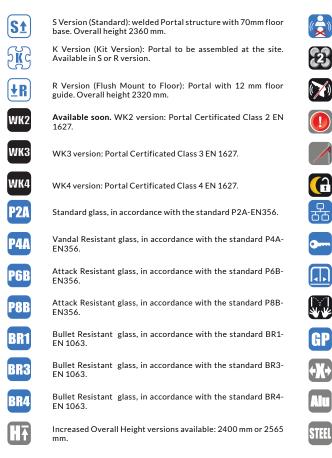
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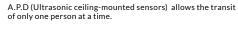
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Two-zone contact mat. To be used together with A.P.D. device.

Metal detection control. In case of metal detector alarm, transit is not allowed.

Rescue Push button. It activates the last working action.

Additional emergency release system. To unlock the non secure side.

Night Lock. Extra mechanical lock to secure the Portal when switched off and unattended.

Web Lan Control permits simple and intuitive control of the Portal through the web/intranet.

Service Mode keyswitch. Local ON/OFF keyswitch selector and cleaning mode function.

Bi-parting doors (2 doors open on each side).

Manual Panic break-out opening. In emergency, the automatic flat sliding doors can be opened by pushing them.

Extra glazing on the flat sliding door pocket structure.

The portal's length can be customised with some available extensions.

Aluminium outer finishing.

Portal outer finishing: brushed or polished steel.

Classical Portals



E1 — Small size automatic security portal.

Dimensions WxDxH: 995mm x 995mm x 2360mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

Emergency: Secure side

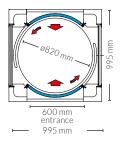
Control: Console or Service

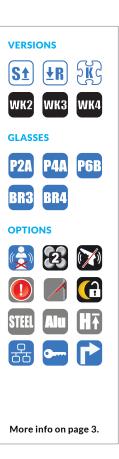
Mode Keyswitch; LED Traffic

Detection: IR presence sensors

unlocking device

lights with Intercom





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E2 — Medium size automatic security portal.

Dimensions WxDxH: 1150mm x 1150mm x 2360mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

Emergency: Secure side

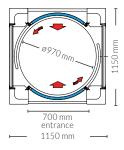
Control: Console or Service

Mode Keyswitch; LED Traffic

Detection: IR presence sensors

unlocking device

lights with Intercom







E3 Large size automatic security portal.

Dimensions WxDxH: 1382mm x 1382mm x 2360mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

Emergency: Secure side

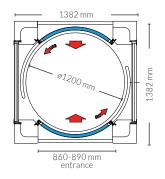
Control: Console or Service

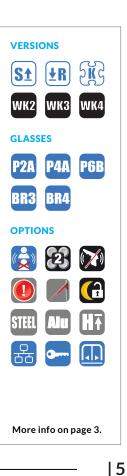
Mode Keyswitch: LED Traffic

Detection: IR presence sensors

unlocking device

lights with Intercom





F4 Double entry automatic security portal.

Dimensions WxDxH: 1750mm x 995mm x 2360mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 70 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

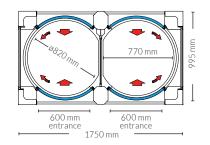
Emergency: Secure side

Control: Console or Service

Mode Keyswitch; LED Traffic

unlocking device

lights with Intercom



GLASSES Detection: IR presence sensors Р4Л P6B P2A BR3 BR4 OPTIONS ST F

VERSIONS

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Cylindrical Portals



📕 — Small size automatic security portal.

Dimensions WxDxH: Ø988mm x 2360mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

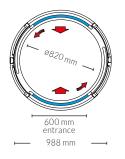
Emergency: Secure side

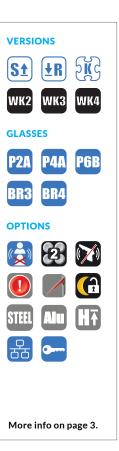
Control: Console or Service

Mode Keyswitch; LED Traffic lights with Intercom

Detection: IR presence sensors

unlocking device





C1D — "D" shape automatic security portal.

Dimensions WxDxH: 877mm x 988mm x 2360mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

Emergency: Secure side

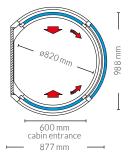
Control: Console or Service

Mode Keyswitch; LED Traffic

Detection: IR presence sensors

unlocking device

lights with Intercom









C2 — Medium size automatic security portal.

Dimensions WxDxH: Ø 1150mm x 2360mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

Emergency: Secure side

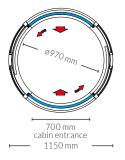
Control: Console or Service

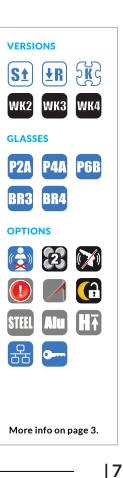
Mode Keyswitch: LED Traffic

Detection: IR presence sensors

unlocking device

lights with Intercom





C3 — Large entry automatic security portal.

Dimensions WxDxH: Ø1381mm x 2360 mm

SPECIFICATIONS

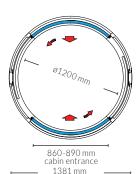
Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)



C190-S1 to S3 Portals Approved to LPS1175: Issue 7 Security Ratings 1 to 3 Cert/LPCB Ref. 1479a



Emergency: Secure side

Control: Console or Service

Mode Keyswitch; LED Traffic

Detection: IR presence sensors

unlocking device

lights with Intercom





Cylindrical Portals



 $\mathsf{C4}-$ Double entry automatic security portal.

Dimensions WxDxH: 1750mm x 988mm x 2360mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 70 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

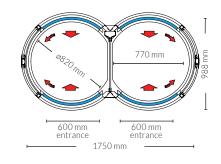
Emergency: Secure side

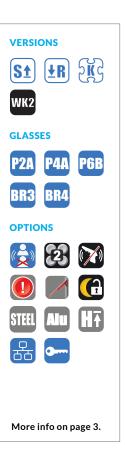
Control: Console or Service

Mode Keyswitch; LED Traffic lights with Intercom

Detection: IR presence sensors

unlocking device







C5- Automatic security portal with emergency door exit.

Emergency: Secure side

Control: Console or Service

Mode Keyswitch; LED Traffic

Detection: IR presence sensors

unlocking device

lights with Intercom

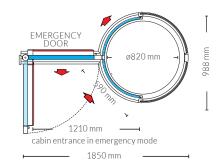
Dimensions WxDxH: 1850mm x 988 mm x 2360 mm

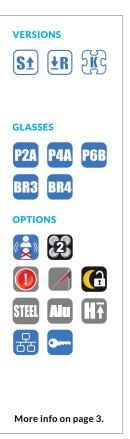
SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)





C190 Range

Dimensions WxH: Ø 1911mm x 2290mm

SPECIFICATIONS

Glass: P4A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure; bi-parting. Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 150 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

Emergency: Secure side

Control: Console or Service

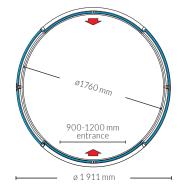
Mode Keyswitch; LED Traffic

Detection: IR presence sensors

unlocking device

lights with Intercom

The first Security Portal approved to LPS1175







C190-S1 to S3 Portals Approved to LPS1175: Issue 7 Security Ratings 1 to 3 Cert/LPCB Ref. 1479a

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Half Portals



$HPJ \ 140 \ - \ {\rm Interlocking \ system \ created \ with \ Half \ Portal \ and \ existing \ door.}$

Dimensions WxDxH: 1381mm x 890mm x 2320mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Curved doors: Fail safe; bi-parting Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

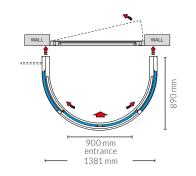
Emergency: Secure side

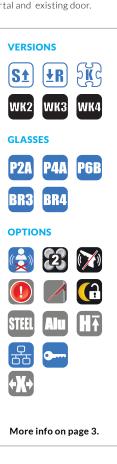
Control: Console or Service

Mode Keyswitch; LED Traffic lights with Intercom

Detection: IR presence sensors

unlocking device





FPJ 140/1A — Half Portal provided with manual swing door.

Dimensions WxDxH: 1381mm x 920mm x 2320mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Curved doors: Fail safe; bi-parting Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

Emergency: Secure side

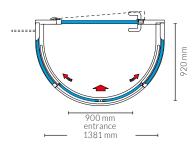
Control: Console or Service

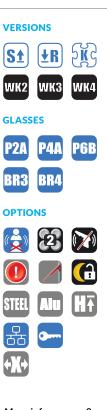
Mode Keyswitch; LED Traffic

Detection: IR presence sensors

unlocking device

lights with Intercom









FPJ 140/2S — Half Portal provided with 2 automatic flat sliding doors.

Dimensions WxDxH: 1865mm x 992mm x 2320mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Curved doors: Fail safe; bi-parting Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

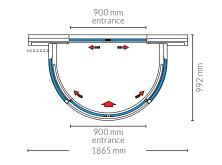
Emergency: Secure side unlocking device

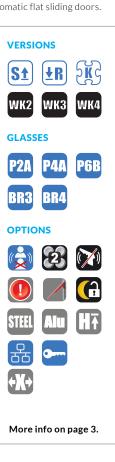
lights with Intercom

Control: Console or Service

Mode Keyswitch: LED Traffic

Detection: IR presence sensors





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FPJ 140/2HP

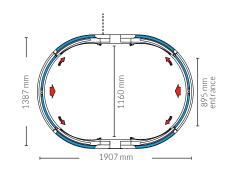
Dimensions WxDxH: 1907mm x 1387mm x 2320mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Curved doors: Fail safe; bi-parting Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

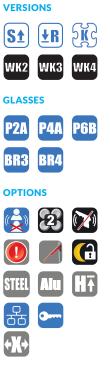
Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)



Emergency: Secure side unlocking device **Control**: Console or Service Mode Keyswitch; LED Traffic

— 2 HPJ140 connected by a variable infill.

lights with Intercom **Detection**: IR presence sensors





Half Portals



HPJ 190 — Interlocking system created with Half Portal and existing door.

Dimensions WxDxH: 1910mm x 1120mm x 2320mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Curved doors: Fail safe; bi-parting Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)

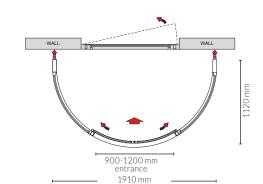
Emergency: Secure side

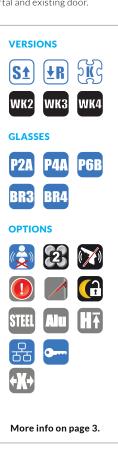
Control: Console or Service

Mode Keyswitch; LED Traffic lights with Intercom

Detection: IR presence sensors

unlocking device





$FPJ \ 190/2S \ - \ {\sf Half Portal provided with 2 automatic flat sliding doors.}$

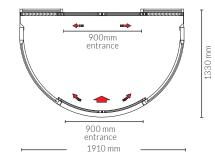
Dimensions WxDxH: 1910mm x 1330mm x 2320mm

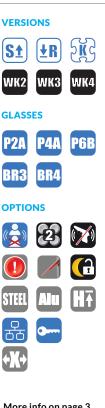
SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Curved doors: Fail safe; bi-parting Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)





Control: Console or Service Mode Keyswitch; LED Traffic lights with Intercom Detection: IR presence sensors

Emergency: Secure side

unlocking device



Fire Rated



Certified El60 or El120 as per the European Fire Resistance norm: EN13501-2 & EN1634-1: 2014.

The Alluser Fire Rated Half Portal range provides a highly secure fire rated entrance solution certified to El120^{*} as per the European Fire Resistance norm: EN13501-2 & EN1634-1: 2014.

FPJ 140/1AF— Fire rated interlocking door with manual swing door.

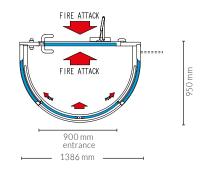
Dimensions WxDxH: 1386mm x 950mm x 2410mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Curved doors: Fail safe; bi-parting Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)



Emergency: Secure side

Control: Console or Service

Mode Keyswitch; LED Traffic lights with Intercom

Detection: IR presence sensors

unlocking device

Emergency: Secure side

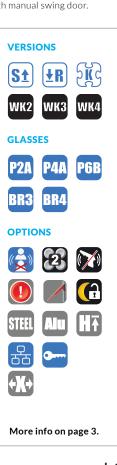
Control: Console or Service

Mode Keyswitch; LED Traffic

Detection: IR presence sensors

unlocking device

lights with Intercom



FPJ140/2SF — Fire rated Half Portal with flat sliding doors.

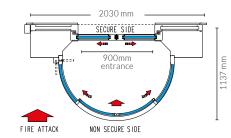
Dimensions WxDxH: 2030mm x 1137mm x 2410mm

SPECIFICATIONS

Glass: P2A-EN356 Structure: RAL Powder Coated; Anti-slip floor mat EN13893 Doors: Fail secure; bi-parting. Safety: Infrared safety sensors; Fire alarm signal

ELECTRONICS

Alluser Motherboard Nominal power consumption 35 W. Emergency battery backup: 6-8 hrs. Internal 24Vdc LED Light (warm white 3.000 K; life expectancy 50.000 h) Nominal 24Vdc 5A Power Supply, with Battery Backup Charger; Input 110-230Vac (EMI Filter included)







Certified EI60 as per the European Fire Resistance norm: EN13501-2 & EN1634-1: 2014.

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	E1	E2	E3	E4	C1	C1D	C2	C3
Table of contents								
External Width	995 mm	1150 mm	1382 mm	1750 mm	988 mm	877 mm	1150 mm	1381 mm
External Depth	995 mm	1150 mm	1382 mm	995 mm	988 mm	988 mm	1150 mm	1381 mm
Entrance	600 mm	700 mm	860-890 mm	600 mm each	600 mm	600 mm	700 mm	890 mm
Internal Height (R Version: 12mm floor base)	2048 mm	2048 mm	2048 mm	2048 mm				
External Height (R Version)	2320 mm	2320 mm	2320 mm	2320 mm				
Typical Weight Guideline (Kg) - With Glass P2A EN 356	460 kg	560 kg	880 kg	740 kg	360 kg	340 kg	520 kg	730 kg
VERSIONS								
Version: S / R / K	●/0/0	●/0/0	● <i>1</i> 0 <i>1</i> 0	●/0/0	● <i>1</i> 0 <i>1</i> 0	●/0/0	● <i>1</i> 0 <i>1</i> 0	●/0/0
Attack Resistant: RC2* / RC3 / RC4	0*/0/0	0*/0/0	0*/0/0	0*/-/-	0*/0/0	0*/-/-	0*/0/0	0*/0/0
Certification LPS1175: SR1 / SR2 / SR3	-1-1-	-1-1-	-1-1-	-1-1-	-1-1-	-1-1-	-1-1-	0/0/0
STRUCTURE								
EN 1522 Certificated Metal: Top Canopy FB2-NS/portal structure FB4/NS	•10	•10	•/0	•10	•/0	•/0	●/○	•/0
Anti-slip foor mat EN13893 - Fire reaction Bfls1 N13501-1	•	•	•	•	•	•	•	•
Internal Portal Height: 2048 mm / 2135 mm / 2300 mm	●/0/0	●/0/0	● <i>1</i> 0 <i>1</i> 0	●/0/0	●/0/0	●/0/0	● <i>1</i> 0 <i>1</i> 0	●/0/0
Entrance Direction: Straight / 90° / 45°	● <i>I</i> ○ <i>I</i> −	•/0/-	•/0/-	• / - / -	• / - / -	• / - / -	\bullet / - / -	• / - / -
RAL Colours / Stainless Steel / Anodized Aluminium	●/0/0	● <i>1</i> 0 <i>1</i> 0	•/0/0	● <i>1</i> 0 <i>1</i> 0	●/0/0			
DOORS								
Door on each side: Single door / Bi-Parting	• / -	•/-	●/ O	• / -	•/-	•/-	•/-	●/○
Both doors slide to open on the same side	0	0	_	•	0	•	0	_
Curved sliding Doors: Fail Secure / Fail Safe	•/O	•10	•/0	•/ O	• <i>1</i> 0	•/0	●/ O	•/0
GLASS	••••	••••	••••	••••	••••	••••	••••	
Vandal- Attack Resistant Glass - EN 356: P2A / P4A / P6B	●/0/0	●/0/0	●/0/0	●/0/0	●/0/0	●/0/0	●/0/0	●/0/0
Bullet resistant Glass - EN 1063: BR3 / BR4	010	010	010	010	010	010	010	010
SAFETY	010	010	010	010	010	010	010	0,0
Infrared Safety Sensor		•	•	•	•	•	•	•
Fire Alarm Signal / Connection Board	•/o	•/0	•/0	•/0	•/0	•/0	•/0	•/0
•	0	0	0	0	0	0	0	0
Rescue Push Button to open the portal door which last closed EMERGENCY	0	0	0	0	0	0	0	0
	•		•	•	•	•	•	
Secure Side Mechanical Emergency Unlocking Device	•	•	_	_	_	_		
90° Emergency Lever	0	0	0	0	0	0	0	0
Manual Panic Break Out Opening								
DETECTION DEVICES								
								• 1 0
Infrared Presence Sensor / Pressure mat	●/O	•/0	•/0 0/0	•/0 0/0	•/0 0/0	•/0 0/0	•/0	•/0 0/0
APD / 2 zone contact mat	010	010	070	070		070	010	070
Metal Detector	0	0	0	0	0	0	0	0
Reed Door Position Tamper Sensor	0	0	0	0	0	0	0	0
CONTROLLERS								- / -
LED Traffic Lights / Standard Intercom	• / •	• / •	• / •	• / •	• / •	• / •	• / •	• / •
Control Panel / Service Mode Key Switch	•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0
Web Lan Control	0	0	0	0	0	0	0	0
TOP & NIGHT								
Locked Top cover	0	0	0	0	0	0	0	0
Mechanical Night Locking	0	0	0	0	0	0	0	0
Fiberglass Rain Cap top cover	0	0	0	0	0	0	0	0
First & Last Transit with 7 Proxy Keys	0	0	0	0	0	0	0	0

 \bigcirc cost option

• standard feature

C4	C5	C190	HPJ 140	FPJ 140/1A	FPJ 140/2S	FPJ 140/2HP	HPJ 190	FPJ 190/2S	FPJ 140/1AF	FPJ 140/2SF
1750 mm	1850 mm	1911 mm	1381 mm	1381 mm	992 mm	1387 mm	1910 mm	1910 mm	1386 mm	2030 mm
988 mm	988 mm	1911 mm	890 mm	921 mm	1865 mm	1907 mm	1120 mm	1330 mm	950 mm	1137 mm
600 mm each	590 mm	1200 mm	900 mm	900 mm	900 mm	895 mm	900-1200 mm	900 mm	900 mm	900 mm
2048 mm	2048 mm	2048 mm	2048 mm	2048 mm	2048 mm	2048 mm	2048 mm	2048 mm	2134 mm	2134 mm
2320 mm	2320 mm	2220 mm	2320 mm	2320 mm	2320 mm	2320 mm	2320 mm	2320 mm	2410 mm	2410 mm
530 kg	520 kg	810 kg	270 kg	350 kg	450 kg	640 kg	450 kg	740 kg	450 kg	1230 kg
●/0/0	●/0/0	●/0/0	0/●/●	○/●/●	0/●/●	0/●/●	0/●/●	0/●/●	0/●/●	0/●/●
0*/-/-	-1-1-	○*/ - / -	0*/0/0	0*/0/0	0*/0/0	0*/0/0	0*/0/0	0*/0/0	0*/0/0	0*/0/0
-1-1-	-1-1-	01010	-1-1-	-1-1-	-1-1-	-1-1-	-1-1-	-1-1-	-1-1-	-1-1-
•/0	•/0	•10	•/0	•/0	•10	•/0	•/0	•10	•/O	•/0
•	•	•	•	•	•	•	•	•	•	•
•/0/0	●/0/0	• <i>1</i> 0 <i>1</i> 0	• <i>1</i> 0 <i>1</i> 0	•/0/0	•/0/0	●/0/0	•/0/0	• <i>1</i> 0 <i>1</i> 0	-/•/-	− / ● / −
\bullet / $-$ / $-$	$-1-1 \bullet$	\bullet / $-$ / $-$	\bullet / $-$ / $-$	\bullet / $-$ / $-$	\bullet / $-$ / $-$	\bullet / $-$ / $-$	\bullet / $-$ / $-$	\bullet / $-$ / $-$	\bullet / $-$ / $-$	\bullet / $-$ / $-$
•/ / •/0/0	● / O / O	•/ ·/ ·	•/ ·/ ·	•/ ·/ ·	•/ / •/0/0	•/ ·/ ·	•/ ·/ ·	•/ / •/0/0	•/ ·/ ·	●/ 0/ 0
•/0/0	•/0/0	•/0/0	•/0/0	•/0/0	•/0/0	•/0/0	•/0/0	•/0/0	•1010	•/0/0
• /				/			/			
• / -	• / -	-/ •	-/ •	-/ •	-/ •	-/ •	- / •	-/ •	-/ •	-/ •
•	•	-	-	-	-	-	-	-	-	-
•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0
•/0/0	•/0/0	•/0/0	•/0/0	•/0/0	•/0/0	•/0/0	•/0/0	•/0/0	•/0/0	•/0/0
010	010	010	010	010	010	010	010	010	010	010
•	•	•	•	•	•	•	•	•	•	•
•/0	•/0	•/0	•/0	•/0	•10	•/0	•/0	•10	•/0	•/0
0	0	0	0	0	0	0	0	0	0	0
•	•	•	•	•	•	•	•	•	•	•
—	_	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
—	_	—	—	_	0	—	—	0	—	—
•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0
010	010	010	010	010	010	010	010	010	010	010
0	—	_	0	0	0	0	_	_	_	_
0	0	0	0	0	0	0	0	0	0	0
• / •	• / •	• / •	• / •	• / •	• / •	• / •	• / •	• / •	• / •	• / •
•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0	•/0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	_	_
0	0	0	0	0	0	0	0	0	0	0
5										

 \bigcirc^* cost option available soon — not available





CONTACT



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