

# PRODUCT CATALOG

## KADE ACCESS CONTROL



AAT HOLDING S.A.



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MANUFACTURER AND SUPPLIER OF ELECTRONIC SECURITY SYSTEMS

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Server KaDe Premium Plus II

## MANAGEMENT SOFTWARE

### KaDe Premium Plus II\*

The supervisory software KaDe Premium Plus II is designed for small and medium access control systems. Dedicated to users who expect from the system basic functions, simple operation and reliability at an affordable price. The program is quick to install and has a user-friendly graphical interface for the operator. It offers a number of advanced functions such as: double reading of the card, access after reading 2-4 cards, the first card opening, access after confirmation by the operator. In addition to the access control function, the program offers the possibility of registering and accounting for working time by generating a file containing enter/exit events in the xls format. Cooperation with the new 20XX series controllers guarantees trouble-free operation in on-line monitoring mode. The program has a system of visualization of the system components state on the site maps enriched with integration with the Novus NVR surveillance television system. This allows for quick video-verification of alarm situations and confirmation of access to special rooms by the operator. The current version also offers cooperation with elevators, which seals the access control system on the site.

\*KaDe Premium Plus II V1.00.26.135B or higher version

# ELEVATORS AND CCTV



**COMPONENTS**  

## Devices




The new models of standard controllers KDH-KS2012/24-IP and integrated controllers KDH-KZ2000-IP-WU equipped with fast 32-bit processors are the basic components of the access control system. Versions with IP ports make it possible to use the existing network cabling structure on the site to communicate controllers with the supervisory software. The KDH-KS2012-RS model with RS-485 port is also available for the KaDe Premium Plus II system. The classic RS485 bus connected in series to up to 32 such devices communicates with the supervisory software using one UTP-5 cable up to 1200 m from the computer. An extension module containing control outputs and surveillance lines is available for standard controllers. A wide range of readers and proximity cards supplemented with other accessories (converters, electromagnetic locks, exit buttons and door closers) allows to design and build a complete access control system. In the current version of the software, the list of controllers has been enriched with the new model KDH-KS2000-IP-ELV, which together with the module of four relays KDH-MOD2000-ELV enables integration with elevators supporting up to 9 floors.





# FUNCTIONAL & MODERN!

## KADE READERS WITH WIEGAND OUTPUT

	KDH-C330U/H/M IVORY/BLACK	KDH-CK330U/H/M IVORY/BLACK	KDH-C100M
			
Wiegand output format	26 bits UNIQUE 26 or 37 HID* PROX 34 bits MIFARE*	26/34 bits UNIQUE 26 or 37 HID* PROX 26/34 bits MIFARE* 4/8 bits keypad virtual card number	Switched 26/34 bits MIFARE*
Read range	Up to 10 cm	Up to 10 cm	Up to 5 cm
Card type	UNIQUE HID* PROX MIFARE*	UNIQUE HID* PROX MIFARE*	MIFARE*
Frequency	125 kHz 13.56 MHz	125 kHz 13.56 MHz	13.56 MHz
Dedicated card	KDA-U1001 KDA-U1002 KDA-U1003 KDA-M1002 KDA-M1003 ISO-PROX II	KDA-U1001 KDA-U1002 KDA-U1003 KDA-M1002 KDA-M1003 ISO-PROX II	KDA-M1002 KDA-M1003
Keypad	No	Yes	No
Installation	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
Supply power	12 VDC, 25 mA	12 VDC, 35 mA	12 VDC, 60 mA
Dimensions (mm)	120 x 48 x 20	122 x 50 x 21	48 x 103 x 19

# PROXIMITY CARD READER

## KDH-C330U/H/M IVORY/BLACK, KDH-CK330U/H/M IVORY/BLACK

Proximity card reader designed for use in access control systems. It can be mounted indoors or outdoors. The housing is made of ABS plastic meets and complies with IP66 requirements (waterproof).

KDH-C330U/H/M and KDH-CK330U/H/M are readers designed to work with controllers with Wiegand interface. The device reads the Unique (125 kHz), HID® Prox (125 KHz) and Mifare Classic® (13.56 MHz) cards. The range of the proximity card reading is up to 10 cm depending the card type.

**Available version  
with keypad KDH-CK330U/H/M IVORY/BLACK.**





KDH-C110M	KDH-C100H	KDH-C100U	KDH-C110U
			
Switched 26/34 bits MIFARE®	Automatic 26 or 37 HID®PROX	Switched 26/34 bits UNIQUE	Switched 26/34 bits UNIQUE
Up to 5 cm	Up to 10 cm	Up to 10 cm	Up to 10 cm
MIFARE®	HID® PROX	UNIQUE	UNIQUE
13.56 MHz	125 kHz	125 kHz	125 kHz
KDA-M1002 KDA-M1003	ISO-PROX II	KDA-U1001 KDA-U1002 KDA-U1003	KDA-U1001 KDA-U1002 KDA-U1003
No	No	No	No
Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
12 VDC, 60 mA	12 VDC, 60 mA	12 VDC, 60 mA	12 VDC, 60 mA
84 x 84 x 19	48 x 103 x 19	48 x 103 x 19	84 x 84 x 19








# MORE THAN SECURITY!

## KADE INTEGRATED CONTROLLERS

	KDH-KZ330U/H/M-IVORY	KDH-KZ330U/H/M- BLACK	KDH-KZ620U/H/M	KDH-KZ720U/H
				
Door capacity	1	1	1	1
External Reader Wiegand format	600	600	1000	1000
Readers mode	26 bits UNIQUE 26 or 37 HID* PROX 34 bits MIFARE*	26 bits UNIQUE 26 or 37 HID* Prox 34 bits Mifare*	26 bits UNIQUE 26 or 37 HID *PROX 34 bits MIFARE*	26 bits UNIQUE 26 HID* PROX
Read range	Yes	Yes	Yes	Yes
Card type	From 3 to 10 cm	From 3 to 10 cm	From 3 to 6 cm	From 3 to 6 cm
Frequency	UNIQUE HID* PROX MIFARE*	UNIQUE HID* PROX MIFARE*	UNIQUE HID* PROX MIFARE*	UNIQUE HID* PROX
Dedicated card	125 kHz/13.56 MHz	125 kHz/13.56 MHz	125 kHz/13.56 MHz	125 kHz
Keypad	KDA-U1001 KDA-U1002 KDA-U1003 KDA-M1002 KDA-M1003 ISO-PROX II	KDA-U1001 KDA-U1002 KDA-U1003 KDA-M1002 KDA-M1003 ISO-PROX II	KDA-U1001 KDA-U1002 KDA-U1003 KDA-M1002 KDA-M1003 ISO-PROX II	KDA-U1001 KDA-U1002 KDA-U1003 ISO-PROX II
Card buffer	Yes	Yes	Yes	Yes
Communication port	No	No	No	No
Outputs	1 x lock 1 x alarm	1 x lock 1 x alarm	1 x lock 1 x alarm 1 x bell	1 x lock 1 x alarm 1 x bell
Inputs	1 x door contact 1 x exit button	1 x door contact 1 x exit button	1 x door contact 1 x exit button	1 x door contact 1 x exit button
Power supply	12VDC, 35 mA	12VDC, 35 mA	12VDC, 55 mA	12VDC, 55 mA
Dimensions (mm)	122 x 50 x 21	122 x 50 x 21	150 x 51 x 23	120 x 76 x 25







# KADE ADMIN CARD READERS WITH USB OUTPUT

	KDH-CADM-U24	KDH-CADM-M24	KDH-CADM-M32
			
Card type	UNIQUE	MIFARE*	MIFARE*
Frequency	125 kHz	13.56 MHz	13.56 MHz
Number of bits at the output	24 bits	24 bits	32 bits
Power supply	From PC USB port	From PC USB port	From PC USB port

# PROXIMITY CARDS

	KDA-U1001	KDA-U1002	KDA-U1003	KDA-M1002	KDA-M1003	KDA-U1004	KDA-M1004
							
Card type	UNIQUE	UNIQUE	UNIQUE	Compatible with MIFARE*	Compatible with MIFARE*	UNIQUE	Compatible with MIFARE*
Frequency	125 kHz	125 kHz	125 kHz	13.56 MHz	13.56 MHz	125 kHz	13,56 MHz
Model	Clamshell	PVC (for printing)	Keytag	PVC (for printing)	Keytag	Proximity band	Proximity band

	KDH-KAB200U-IVORY	KDH-KAB200U-BLACK	KDH-KZ2000-IP-U	KDH-KZ2000-IP-M
				
	WIRELESS	WIRELESS		
	1	1	1	1
	500	500	20 000	20 000
	26 bits UNIQUE	26 bits UNIQUE	26 bits UNIQUE	34 bits MIFARE*
	No	No	No	No
	Up to 5 cm	Up to 5 cm	Up to 10 cm	Up to 5 cm
	UNIQUE	UNIQUE	UNIQUE	MIFARE*
	125 kHz	125 kHz	125 kHz	13.56 MHz
	KDA-U1001 KDA-U1002 KDA-U1003	KDA-U1001 KDA-U1002 KDA-U1003	KDA-U1001 KDA-U1002 KDA-U1003	KDA-M1002 KDA-M1003*
	Yes	Yes	Yes	Yes
	No	No	Yes TCP/RS-485	Yes TCP/RS-485
	1 x lock	1 x lock	1 x lock 1 x alarm 1 x bell	1 x lock 1 x alarm 1 x bell
	1 x door contact	1 x door contact	1 x door contact 1 x exit button 1 x general input	1 x door contact 1 x exit button 1 x general input
	Controller 12 VDC, 40 mA	Controller 12 VDC, 40 mA	12 VDC, 110 mA	12 VDC 110 mA
	Reader 135 x 54 x 19	Reader 135 x 54 x 19	123 x 77 x 30	123 x 77 x 30

\* available soon



 **KaDe**

KDH-KS2012-IP

KDH-KZ2000-IP-U  
KDH-KZ2000-IP-M

KDH-KS2024-IP

KDH-KS2012-RS

## FAST, ADVANCED & RELIABLE 2000 SERIES CONTROLLERS

32-BIT PROCESSOR  
3 COMMUNICATION CHANNELS  
LARGE INTERNAL MEMORY BUFFER



AAT HOLDING S.A.



# STANDARD & INTEGRATED CONTROLLERS DESIGNED FOR USE WITH KADE PREMIUM PLUS II MANAGEMENT SOFTWARE

	KDH-KS2012-IP	KDH-KS2024-IP	KDH-KS2012-RS	KDH-KZ2000-IP-U	KDH-KZ2000-IP-M	KDH-MO-D2000INOUT	KDH-KS2000-IP-ELV	KDH-MOD-2000-ELV
	 Veno Compatible	 Veno Compatible		 Veno Compatible	 Veno Compatible			
Door capacity	1 door - two way 2 doors - one way	2 doors - two way 4 doors - one way	1 door - two way 2 doors - one way	1 door - two way 1 doors - one way	1 door - two way 1 doors - one way	-	-	-
Port for readers	2	4	2	1 (+1 built-in reader)	1 (+1 built-in reader)	-	1	-
Card buffer	20 000	20 000	20 000	20 000	20 000	-	20 000	-
Event/Alarm buffer	50 000/20 000	50 000/20 000	50 000/20 000	50 000/20 000	50 000/20 000	-	50 000/20 000	-
External Reader Wiegand format	Up to 40 bits Every card technology	Up to 40 bits Every card technology	Up to 40 bits Every card technology	26 bits Unique	34 bits Mifare®	-	Up to 40 bits Every card technology	-
Communication port	TCP, RS-485	TCP, RS-485	RS-485 x 2	TCP, IP	TCP, IP	RS-485	TCP	RS-485
Outputs	2 x locks 1 x alarm 4 x general (on module)	4 x locks 1 x alarm 4 x general (on module)	2 x locks 1 x alarm 4 x general (on module)	1 x locks 1 x alarm 1 x bell	1 x lock 1 x alarm 1 x bell	4 x general (relay output) 4 x BUZ (for readers)	5 x (support for floors 1-5)	4 x (support for additional four floors)
Inputs	2 x door contact 2 x exit button 2 x general inputs	4 x door contact 4 x exit button 4 x general inputs	2 x door contact 2 x exit button 2 x general inputs	1 x door contact 1 x exit button 1 x general inputs	1 x door contact 1 x exit button 1 x general inputs	4 x BUZ (for readers)	-	-
Power supply	12 VDC, 100 mA (controller)	12 VDC, 100 mA (controller)	12 VDC, 110 mA (controller)	12 VDC, 110 mA	12 VDC, 110 mA	12 VDC	12 VDC	12 VDC
Dimensions of controller PCB (mm)	120 x 140	175 x 140	120 x 140	123 x 77 x 30	123 x 77 x 30	200 x 50 x 20	175 x 140	200 x 50 x 20

## KDH-KS2000-IP-ELV, KDH-MOD2000-ELV

In buildings covered by the access control system, there are also elevators. In such cases, when designing the security system, control should also be provided for individual floors only for authorized persons. For this purpose, one of the three solutions is usually used for access control:

- a reader installed in front of the entrance to the elevator cabin - the simplest solution, secures only access to the elevator for unauthorized persons
- reader in the elevator car - through a set of relay outputs connected to the elevator control system, it enables access control to selected floors depending on the allocated allowances.
- reader mounted on a special DSC panel located in the lift lobby or on the entrance gate, information after reading the card is sent to the elevator control system (usually via LAN) and after selecting the floor by the user (from the access group assigned to him) the display shows the elevator to which it is to succeed.


### The current version of the KaDe Premium Plus II program offers the first and second solution.\*

The second solution requires the installation of a special KDH-KS2000-IP-ELV controller. If the number of floors exceeds 5, an extension module with 4 KDH-MOD2000-ELV relays can be connected to the controller. The maximum number of floors supported is 9. By duplicating such a set, you can control subsequent elevators. The KaDe program has a new option that allows you to define the permissions for each user for each floor.



\*KaDe Premium Plus II V1.00.26.135B or higher version



	KDA-LOCK60	KDA-LOCK180Z	KDA-LOCK180P	KDA-LOCK180ZW	KDA-LOCK280DZ	KDA-LOCK280DZ- -BLACK
						
Holding force (kg)	60	180	180	180	280	280
Door status sensor	No	No	No	No	Yes	Yes
Lock sensor (hallotron)	No	Yes	No	Yes	Yes	Yes
Time lock delay	No	No	No	No	No	No
Mounting/Installation	Surface mount	Surface mount	Double	Mortise mount	Surface mount	Surface mount
Power supply	12 VDC, 120 mA	12 VDC, 300 mA 24 VDC, 150 mA	12 VDC, 600 mA 24 VDC, 300 mA	12 VDC, 300 mA 24 VDC, 150 mA	12 VDC, 480 mA 24 VDC, 240 mA	12VDC, 480 mA 24VDC, 240 mA
Dimensions (mm)	80 x 37 x 24	170 x 42 x 21	340 x 42 x 21	190 x 32 x 22	250 x 47 x 26	250 x 47 x 26

## BRACKETS FOR ELECTROMAGNETIC LOCKS

	KDA-BU180	KDA-BL180	KDA-BLZ180	KDA-BL280	KDA-BL280-BLACK	KDA-BZL280
						
	Lock bracket U for 180 kg	Lock bracket L for 180 kg	Lock bracket ZL for 180 kg	Lock bracket L for 280 kg	Lock bracket L for 280kg BLACK	Lock bracket ZL for 280 kg



# RELIABLE SECURE PASSAGE






LONG TERM AND TROUBLE-FREE OPERATION







KDA-LOCK280DZC	KDA-LOCK280DZP	KDA-LOCK280ZW	KDA-LOCK280ZO	KDA-LOCK380DZ	KDA-LOCK500DZC	KDA-LOCK500ZO
						
280	280	280	280	380	500	500
Yes	Yes	No	No	Yes	Yes	No
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	No	No	No	No	Yes	No
Surface mount	Double	Mortise mount	Waterproof	Surface mount	Surface mount	Waterproof
12 VDC, 480 mA 24 VDC, 240 mA	12 VDC, 960 mA 24 VDC, 480 mA	12 VDC, 480 mA 24 VDC, 240 mA	12 VDC, 460 mA 24 VDC, 220 mA	12 VDC, 500 mA 24 VDC, 250 mA	12 VDC, 600 mA 24 VDC, 300 mA	12 VDC, 460 mA 24 VDC, 220 mA
250 x 47 x 26	500 x 47 x 26	229 x 38 x 27	210 x 42 x 29	285 x 55 x 29	265 x 71 x 40	240 x 64 x 43

KDA-BZL280-BLACK	KDA-BL380	KDA-BZL380	KDA-BL500	KDA-BZL500	KDA-BOZL280	KDA-BOZL500
						
Lock bracket ZL for 280kg BLACK	Lock bracket L for 380 kg	Lock bracket ZL for 380 kg	Lock bracket L for 500 kg	Lock bracket ZL for 500 kg	Lock bracket Z lub L for 280 kg waterproof	Lock bracket Z lub L for 500 kg waterproof

## KADE ELECTRIC STRIKES



	KDA-STRIKE12SNT	KDA-STRIKE12SN-II	KDA-STRIKE12SNM	KDA-STRIKE12S	KDA-STRIKE12SO
					
Operating mode	Normal type NC, low current	Normal type NC, low current	Normal type NC, low current	Normal type NC, low current	Normal type NC, low current
Holding strength (kg)	200 mA	260 mA	230 mA	570 mA	570 mA
Mechanical durability (number of cycles)	300 kg	350 kg	350 kg	350 kg	350 kg
Operating temperature	-	-	Yes	-	-
Dimensions (mm)	67 x 16,2 x 28	75 x 20,5 x 28,5	83 x 20,5 x 28,5	75 x 20,5 x 28,5	75 x 20,5 x 28,5
Power supply	12 VDC, 200mA	12 VDC, 260 mA	12 VDC, 230 mA	12 VAC/DC, 410 mA/570 mA	12 VAC/DC, 410 mA/570 mA

## FITTING FOR ELECTRIC STRIKES






KDA-BP130	KDA-BP250	KDA-BW130	KDA-BK150	KDA-BKP250	KDA-BKL250
					
Fitting for electric strike, flat, short, 130 x 25 x 3 mm (galvanised)	Fitting for electric strike, flat, long, 250 x 25 x 3 mm (galvanised)	Fitting for electric strike, flat, short with slippery, 130 x 25 x 3 mm (stainless steel)	Fitting for electric strike, angle, short, 150 x 25/32 x 3 mm (galvanised)	Fitting for electric strike, right, angle, long, 250 x 25/32 x 3 mm (galvanised)	Fitting for electric strike, left, angle, long, 250 x 25/32 x 3 mm (galvanised)

## SOLENOID LOCK & GROMMET

	KDA-BOLT100
	
Operating mode	Normal NO with delay
Door status sensor	Yes
Lock sensor (hallotron)	Yes
Time lock delay	Yes
Mounting/installation option	Mortise mount
Dimensions (mm)	200 x 25 x 39
Power supply – switching/standby	12 VAC/DC, 1400 mA/150 mA

	KDA-CBG506	KDA-CBG601
		
Casing	Metal	Metal
Tips	Metal	Metal
Dimensions (mm)	422 x 31 x 9	290 x 25 x 12



KDA-STRIKE12SP	KDA-STRIKE12SOP	KDA-STRIKE12RNT	KDA-STRIKE12RN	KDA-STRIKE12RNM
				
Normal type NC, low current	Normal type NC, low current	Reverse type NO, for narrow frame, low current	Reverse type NO, for narrow frame, low current	Reverse type NO, for narrow frame, low current
570 mA	570 mA	200 mA	190 mA	190 mA
350 kg	350 kg	300 kg	350 kg	350 kg
-	-	-	-	tak
75 x 20,5 x 28,5	75 x 20,5 x 28,5	67 x 16,2 x 28	75 x 20,5 x 28,5	83 x 20,5 x 28,5
12 VAC/DC, 410 mA/570 mA	12 VAC/DC, 410 mA/570 mA	12 VDC, 200mA	12 VDC, 190 mA	12 VDC, 190 mA

# KADE ELECTRIC STRIKES

NECESSARY ELEMENTS FOR  
EVERY ACCESS CONTROL SYSTEM











# A WIDE RANGE OF PRODUCTS FOR EVERY INDUSTRY







RELIABLE AND FUNCTIONAL BUTTONS  
BY KADE FOR ACCESS CONTROL SYSTEMS

Distribution:







## KADE DOOR EXIT BUTTONS



	KDH-EXIT1010	KDH-EXIT1015	KDH-EXIT1040	KDH-EXIT1050	KDH-EXIT1060	KDH-EXIT1070
						
Button type	Exit button	Exit button	Exit button	Exit button	Exit button	Exit button
Contact type	1 x NO/NC/C	1 x NO/NC/C	1 x NO/C	1 x NO/NC/C	1 x NO/NC/C	1 x NO/NC/C
Usage	Momentary	Momentary	Momentary	Momentary	Momentary, touch	Momentary, touch
Mounting/installation	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount
Operating temperature	-10~55°C	-10~55°C	-10~55°C	0~55°C	0~55°C	-20~55°C
Contacts load	36 VDC, 3A	36 VDC, 3A	36 VDC, 3A	30 VDC, 2A	30 VDC, 3A	30 VDC, 3A
Power supply	-	-	-	-	12 VDC, 50 mA	12 VDC, 50 mA
Dimensions (mm)	70 x 70 x 27	86 x 43 x 22	83 x 32 x 25	85 x 55 x 21	80 x 50 x 20	86 x 86 x 20

	KDH-EXIT1080	KDH-EXIT1090	KDH-EXIT1091	KDH-EXIT1092	KDH-EXIT1095	KDH-EXIT1096
						
Button type	Exit button	Exit button	Exit button	Exit button	Exit button	Exit button
Contact type	1 x NO/NC/C	1 x NO/NC/C	1 x NO/NC/C	1 x NO/NC/C	1 x NO/NC/C	1 x NO/NC/C
Usage	Momentary, touch	Momentary	Momentary	Momentary	Momentary, touch	Momentary, touch
Mounting/installation	Surface mount	Surface mount	Surface mount	Surface mount	Wpuszczany	Surface mount
Operating temperature	-20~50°C	-10~50°C	-10~50°C	-10~50°C	0~50°C	0~50°C
Contacts load	30 VDC, 3A	30 VDC, 3A	30 VDC, 3A	30 VDC, 3A	30 VDC, 2A	30 VDC, 2A
Power supply	12 VDC, 50 mA	-	-	-	12 VDC, 50 mA	12 VDC, 50 mA
Dimensions (mm)	114 x 40 x 35	86 x 86 x 27	86 x 50 x 27	115 x 40 x 27	86 x 86 x 35	86 x 86 x 35

## KADE EMERGENCY EXIT BUTTONS

	KDH-EXIT1020-P	KDH-EXIT1020-E	KDH-EXIT1030-P	KDH-EXIT1030-E
				
Type	Exit button awaryjnego (descriptions in Polish)	Exit button awaryjnego (descriptions in English)	Exit button awaryjnego (descriptions in Polish)	Exit button awaryjnego (descriptions in English)
Contacts	1 X NO/NC/C	1 X NO/NC/C	2 X NO/NC/C	2 X NO/NC/C
Function	Glass breaks, replaceable	Glass breaks, replaceable	Pushable plastic plate Reset with a key	Pushable plastic plate Reset with a key
Mount type	Surface mount	Surface mount	Surface mount	Surface mount
Temperature range	-30~55°C	-30~55°C	-30~55°C	-30~55°C
Contacts load	36 VDC, 3A	48 VDC, 3A	30 VDC, 2A	30 VDC, 2A
Dimensions (mm)	87 x 87 x 52	87 x 87 x 52	87 x 87 x 56	87 x 87 x 56

## KADE CONVERTERS

	TCP/485	KDH-USB/485
		
Conversion type	TCP to RS-485	Virtual COM port on RS485
Overvoltage protection	Yes	Yes
Power supply	12 VDC	from USB port
Dimensions (mm)	80 x 60	70 x 35 x 18

# NEW FUNCTIONS IN KADE SYSTEM



## On-line monitoring mode

Current information about state of doors and other system components allow visual inspection of the system condition and people using particular passage and quick response in case of an emergency situation.



## Remote authentication

For increased security of crucial passages, opening doors can only be available after verification and confirmation by the operator monitoring the system.



## Integration with elevators

New dedicated controllers enable integration with elevators. Increased security of multi-storey buildings, access to individual floors after assigning appropriate permissions.



## Integration with CCTV

Integration with 6000 series IP recorders enables linking of access control system events to the image recorded by video monitoring. Event verification and live view for additional protection.



**1st entry attempt**  
DOOR OPEN



**2nd entry attempt**  
NO ACCESS

### Anti-passback

Function forces alternate use of a read card in the entrance and exit reader. There is available local Anti-passback – within one controller – or global – in a group of controllers within the TCP/IP Network.



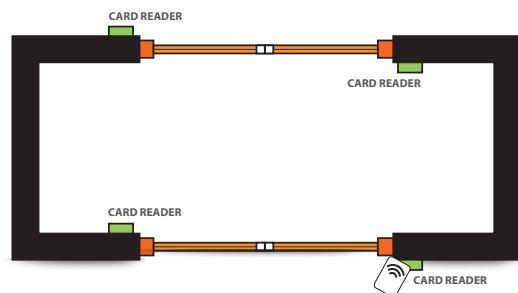
### 4 modes of door operating

Using valid card/code can open the doors temporary or sequentially (unlock/lock). The doors can also be unlocked according to the schedule – automatically or after first use of valid card.



### First card open

To improve security level there are additional card functions – e.g. first card that open doors on certain day or after using multiple cards simultaneously.



### Interlock

Doors working in the area of one controller can work in the interlock mode. As long as one doors in the interlock group remain open the other one remain locked.

Distribution:



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