

ALV2

Hotel Card Lock System ALV2 Series



Intelligent and stylish RFID card lock system from MIWA Japan.



ALV2

Is the latest in a long line of electronic locking solutions from Miwa Lock and is designed specifically for today's busy hospitality industry. Using the latest in RFID technology the new locking system is attractive yet durable and easy for guests and staff to use. The thirty plus years of experience are easy to detect when looking at this system. Today a hotel lock is no longer just a means for closing the guest room door but an important part in the overall running of a busy hotel. As the only piece of technology in your property that the guest has to use multiple times it is vitally important that it does its job effectively every time, without fail. The mechanics and electronics of this lock are second to none having passed the prestigious ANSI 156.25 grade 1 electronic lock test, this also takes in the electronics too. The system has been designed to make it easy for your staff to use yet still have the features you need to run your hotel safely and securely.

Why RFID?

RFID or Radio Frequency Identification gives the ALV2 locks the ability of reading and writing to the guest and staff cards without them touching the lock. Simply place the card within half an inch of the reader and the lock will open. This technology has several advantages over existing magnetic strip and smart card systems.

Ease of use

Without the need to insert or swipe the key card, guests of all ages will find the ALV2 lock more intuitive, the keycard can be offered to the lock from any direction.

Read and write

When a card is used to open a lock it can now be written to as well as read.

Guest cards - if a lock does not open when a guest card is used the reason for this is written on the card. This can be read by the staff in the hotel and problem can be immediately rectified.

Staff cards - Various information is added to the staff card every time it used to open a lock. This would include the room and time the lock was opened as well as the status of the batteries in each location.



ALV2 Slim type



ALV2 P type

Master key structure

With the use of RFID cards the master key structure for your staff can be configured to match your operating requirements. Each staff member can be issued a card that only gives them access to areas that their job demands. Should the need arise these can be changed on an individual basis, by you without the need to reprogram any of the locks.

Batteries

ALV2 uses just four standard alkaline batteries. As with all systems eventually these will run down. The ALV2 lock has three ways to warn your staff of the impending problem. First the green light will flash when a staff card is used in the lock. If this is not sufficient then the lock can be programmed to make beep in the same situation. Each time a staff member opens a lock, data is written onto their card, at the end of each day this can be read and will give you information on any locks that have low batteries.

Interfacing

ALV2 is designed to interface to both PMS and POS solutions, using RS232 or TCP/IP key data can be automatically sent to the Miwa system making the check in procedure more efficient and eliminating key stroke errors.

Other systems

Miwa can share the cards used with ALV2 with other systems that may be used on your property, due very flexible software. These could include systems such as time and attendance or even other access control systems.

Auditable Security

ALV2 can be audited from every angle, the front desk system can be audited to see who has made staff or guest keys, the locks hold the last 600 transactions and the staff keys hold data on the last 140 locks they have been used in. The system has been designed to enable your security and operations personnel complete control over the access to your property.

Card control

As with all previous Miwa systems new guest cards cancel old guest cards and each staff card can be cancelled should it become lost or stolen.

Upgrade Path

Whether your property is large or small the cost of a new locking system is still substantial and at Miwa we take this very seriously, we build systems that last. With this in mind we also realize that technology changes and advances this is why we have built a new system that can be used to upgrade our existing AL5H locks without the need to replace everything. The new ALV2 P type front escutcheons retro fit directly onto the existing lock case.



Upgrading from AL5H to ALV2 P can be done by simply replacing the outside escutcheon and reader.



ALV2 Slim type
FRONT



Key override option



ALV2 Slim type
SIDE

Handle Options

Type 476



Type 478



Type 66



Type 74



Color Variation

ALV2 Slim type



ALV2 P type



Wall mount reader



Function

For applications where a standard ALV2 lock is not suitable, such as a high usage common door, MIWA's wall mount reader will provide the security needed.

The wall mount reader can:

- Operate magnetic locks, electrified panic bars, electric strikes or other locking devices.
- Work in conjunction with the control circuits of elevators, card park barriers and similar devices.



Key types

ALV2 offers several different options for keys unlike magnetic cards the proximity chip can be installed into several different forms. For example we are able to offer wrist bands for guests; these are worn and are useful in resort hotels where carrying a card is not always easy. Key fobs are also available which can be added to standard key rings or attached by a cord to the staff member's uniform. Please ask your Miwa sales person for options and pricing.

PC server Screen

The screenshot shows the MIWA Hotel software interface. The top window displays 'Guest Card' management options like 'Duplicate Guest Card', 'Read Guest Card', and 'Check-out'. The bottom window shows a 'Sub Master' screen with a table of room schedules.

Level	SMS Group Name	Personnel	Start	End	Start	End	Mo	Tu	We	Th	Fr	Sa	Su	AS	Start
1-16	Studio 58		08/12/18	08/12/18	07:00	17:00									
2-6	Sales 2		08/12/18	08/12/18	00:00	00:00									
4-7	Sales		08/12/18	08/12/18	00:00	00:00									
5-18	PK		08/12/18	08/12/18	06:00	08:00									
6-17	Ladies Locker		08/12/18	08/12/18	06:00	08:00									
7-13	HK-1		08/12/18	08/12/18	00:00	00:00									
8-15	HK-2		08/12/18	08/12/18	08:00	11:59									
9-12	HK-3		08/12/18	08/12/18	07:00	19:00									
10-11	HK-4		08/12/18	08/12/18	00:00	00:00									

ALV2 Available Card Variations

Card	Description
Guest cards	These can be programmed to open an individual room or multiple rooms or areas within the property. For example meeting areas can be added to a meeting planner's card or a club floor or lounge to loyalty member.
Emergency card	Opens all of the locks and access points in the property. This card will also override the deadbolts in the guest room locks; once this card has been used the door remains unlocked until it is reset.
Master Card	This card can open every lock in the property but cannot open a guest lock when the dead bolt is in use.
Sub Master Card	These are used by staff to gain access to rooms and areas of the property. With our advanced master key structure these can be tailored to individual employees needs, allowing them to only go where you want them to and when.
Passage card	When this is used the door will open and remain open until another passage card is used to lock the door. This offers a simple yet secure solution to meeting rooms and banquet areas.
Lockout Card	This card, once used at the door, will stop all other cards in the system from working except for the emergency cards.
One Shot Card	Issued to open one specific door once.
Interrogation Cards	Used to down load the interrogation data from the locks. Quick and easy to use and allow the locks to be read without the need of the staff member having to use the Data Transfer Unit. An EL or Error log card is also available; this will download the error codes from a lock to speed up trouble shooting if required.

Basic function of ALV2 system

Lock

Reader technology	RFID (Compatible with Near Field Communication (NFC))
Available card	ISO14443 (RFID) Type-A Mifare Standard (Classic) 4KB/1KB / Mifare Ultralight 64B
Standard Handles	4 types
Escutcheon design	2 types (Slim type / P type)
Finishes	5 finishes
Power supply	4 AA Alkaline batteries
Interrogation logs (Audit trail lock events)	600 events (Can be downloaded by DTU or IR card)
Mechanical key override	Optional (Can be recorded in Interrogation logs)

Software

OS	Windows 7 Professional 32Bit
Auto backup function	Available
Staff ID	Up to 500 ID
Card encoder	Up to 30 encoders can be connect to one PC
PMS interface / POS interface	Available

Environmental Measures

We are working to prevent global warming in all stages of our operations, by aiming for longer product life in the development step, and improving the product cycle, both of which will reduce CO2 emissions. We have put forth a 30% reductions target, and are promoting the concept of reduce, reuse, and recycle. Additionally, legally mandated levels for BOD and COD in waste water are 120mg/l ; however we have achieved 10mg/l, and we are striving to reach 8mg/l. Activities such as these have been recognized by our receiving ISO14001 environmental management certification.



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