

Locking in Quality around the World



Reliability

Quality

Flexibility

electronic locking solutions...

Longevity



Quality...

Flexibility...

Security...

## One smart lock. One smart choice.

### THE MIWA AL5H: DUAL TECHNOLOGY IN ONE SMART LOCK

Today's hoteliers expect much more than a lock that keeps their doors securely shut. The MIWA AL5H, with its smart card capability, is your building block to a comprehensive hotel security system. It provides you with unparalleled reliability today and unlocks the potential of your smart card applications tomorrow.

Designed to read magnetic cards, memory smart cards and processor smart cards, the AL5H combines superior mechanics with a state-of-the-art electronics package, offering you the benefits of:

- **TIME-SAVING CONVENIENCE FOR YOU AND YOUR GUESTS** — Guests with a hotel-issued smart card, such as loyalty card, can pre-register online and enter their rooms with minimum delay.
- **COMPLETE ACCESS CONTROL** — Cards and locks can be programmed to open any combination of doors at different times of day, enabling you to restrict guests from certain areas of the property at certain times.



- **TROUBLE-FREE OPERATION** — MIWA offers the industry's only three-year warranty. Most importantly, our locks are designed to last.
- **AUDIT TRAIL** — Provides records of the last 600 valid card transactions, so you can track activity associated with a specific lock.
- **RELIABLE MECHANICS** — MIWA's engineering and design features enhance overall performance. For example, stabilizing posts keep all parts of the lock square no matter what the condition of the door.



The AL5H features:

- **NON-VOLATILE MEMORY** — Retains the data when batteries are removed, keeping your lock software and audit data safe.
- **CAPABILITY TO COMMUNICATE WITH OTHER SYSTEMS** — Including energy management and other access control systems.

#### ELEGANT AND COMPACT

- Wide range of colors to complement any décor, including polished or satin brass or stainless steel
- Steel chassis escutcheons for additional strength and security
- Solid turned knobs and levers in various styles
- Meets handicap standards
- Interior and exterior escutcheons of same design and size

#### DESIGNED FOR DECADES OF TROUBLE-FREE OPERATION

MIWA locking systems are designed for decades of service. The AL5H lock exceeds international standards with:

- ANSI grade 1 mortise lock to European and US profiles
- Comprehensive three-year warranty
- Meets UL standards for three-hour fire rating
- Three-piece anti-friction latch plus hardened one-inch steel deadbolt
- Room-side only access to electronics, batteries and lock body
- Maintenance-free locking motor
- Water-resistant door controller electronics

Electronic Locking  
Solutions...



## Simplicity...

## Reliability...

### EASY TO USE

- Simple card insertion
- Thumb-turn operation of deadbolt from inside room
- Early warning of low batteries given to staff card holders only
- Staff cards record the last 140 doors opened
- Levers always return to horizontal position by balanced spring mechanism
- Optional mechanical key override with more than 130 million combinations



### DOOR CONTROL UNITS

For applications where a standard AL5H lock is not suitable, such as a high usage common door, MIWA's Door Control Units provide maximum security you need. These self-contained systems feature:

- Standard lock operation, powered by 110 AC or 220 AC
- Timed egress buttons and emergency opening panels
- Back-up batteries in case of power failure

They can:

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

Function	Description
<b>Guest Mode</b>	Programmed to a specific room number. Opens for a valid guest card or authorized staff card. Locks can also function together, as suites, groups or room types.
<b>Common Room</b>	Programmed to open for valid card within a range of room numbers. Ideal for corridors of building entrances.
<b>Non Guest Mode</b>	Programmed with a room type and floor. Designed for rooms such as offices or stores.
<b>Special Door Mode</b>	Allows specific guest cards to work with non-guest room locks. Ideal for executive lounge, health club, conference or meeting facilities.
<b>Auto Time Zones</b>	Automatic un-lock and re-lock at specific times of day. Ideal for perimeter doors which are unlocked during the day, but can only be opened by valid card holders at night.
<b>Latch Control</b>	Opens to a valid card, and re-locks only when another valid card has been inserted.
<b>Guest Valid Time</b>	Allows the use of valid guest cards for specific periods each day. Used in conjunction with Common, Special and Auto Time Zone doors to allow guests access to specific areas of the property at specified times.
<b>Guest Valid Days</b>	Allows the use of valid guest cards on specified days of the week, used in conjunction with Common, Special and Auto Time Zone doors.

When the security of your guests and your property is what matters most, count on the proven reliability of MIWA — the smart choice for smart locks in today's security-conscious world.

Ask about other quality locking systems from MIWA.



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## Longevity...

Centralized operations from MIWA's state-of-the-art factory in Tamkai, Japan dramatically increases productivity and service. MIWA links together all phases of operations, from development and manufacturing to sales, delivery and after-sales service.

### **MIWA — THE GLOBAL LEADER IN PROGRAMMABLE LOCK TECHNOLOGY**

Since 1945, MIWA Lock Company, Ltd. has grown to become Japan's foremost provider of high-performance locks and security systems. Today, our reputation for quality and reliability has made MIWA the choice of leading hotel chains around the world.



Headquartered in Tokyo, Japan, MIWA is a family-owned company comprised of 1,700 employees who are dedicated to the security of your facility—and your guests.

We are true lock makers who manufacture and control quality for every aspect of every lock, from start to finish. Our emphasis on research and development ensures you of the most advanced technology and materials. From the first offline electronic hotel locking system, which MIWA developed in 1981, to today's flagship product, the dual-card technology AL5H system, MIWA sets the global standard for programmable lock technology.

### **COMMITTED TO LONG-TERM CUSTOMER RELATIONSHIPS**

#### **SERVICE AND SUPPORT**

Providing the best product is only the beginning of a lasting relationship. MIWA offers a comprehensive support package for your hotel that includes:

- Exceptional quality and performance
- The industry's only three-year warranty as standard
- Maintenance and parts replacement anywhere in the world

Our centralized operations enable us to respond quickly and accurately to customer needs. And MIWA reliability means you won't have to wait for parts or devote valuable time and resources to locking system maintenance.

# AW2H

## MIWA HOTEL CARD LOCK SYSTEM

Miwa Lock Company, Japan's foremost lock manufacturer, has been designing, building and supplying electronic locks to the hospitality industry since 1980.

When looking for a product where security and guest convenience count, our ALH and AWH range of locks and operating systems hold the solution for you. All Miwa's products are built to meet and exceed the world's highest standards, from conception through to manufacture our dedicated engineering team ensure that the best possible product is produced without compromising quality. Whether you are looking for locks for a small or large properties, limited service or full service Miwa has the solution for your security needs.

The AW2H lock has passed the ANSI 156.25 lock standard making it a true Grade 1 electronic mortise lock which is manufactured in our ISO9001, ISO14001 certified factories in Japan.

MIWA card lock systems from a company where quality and service still counts.



# AW2H

## MIWA HOTEL CARD LOCK SYSTEM

### **Guest Security**

The AW2H lock case has a three piece 3/4 inch (19mm) latch, a hardened one inch (25.4mm) steel deadbolt and an anti-pick latch that prevents the lock case from being tampered with whilst the door is closed.

### **Power Supply**

Though operating on only 2 AA alkaline batteries, the AW2H lock will function for around 1 year before the low battery warning is indicated.

### **Low Battery Warning**

There is a visual warning when the batteries are running low, this is given to the staff cards, ensuring your guests are not inconvenienced.

### **Power Supply Terminal**

In the unlikely event of the batteries running out completely, there is an external power supply connection, so that power can be directly supplied to the lock.

### **Infrared Programming**

Using the standard infrared port, communication to the AW2H lock is fast and easy, both for programming and retrieving the audit data.

### **Audit Trail**

Provides a record of the last 200 valid card entries as well as last 100 error log, so that you can track activity associated with the lock.

### **Non-volatile Memory**

Retains the data when batteries are removed, keeping your lock software and audit data safe.

### **Resin coated card reader**

The one piece card reader has been designed for easy maintenance, this includes a dust shutter and the main board being coated with a layer of resin, ensuring a reliable operation for both your guests and staff.



(Image Photo)



Type AW2H480-3 (SB)



Type AW2H480-3 (ST)



Type U9AW2H480-1 (PG)

K-series

## AW2H FDS Front Desk System



### Function

MIWA's Front Desk System is a versatile key control system. The system can encode magnetic cards, providing the flexibility to suit the needs of every property and guest, giving multiply guestcard types, as well as sophisticated master keying structures.

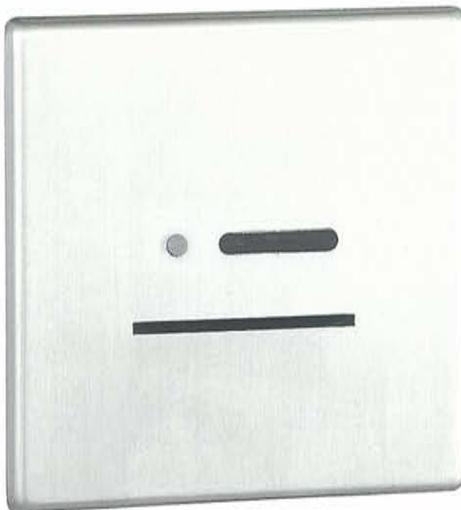
Three encoders can be networked together using TCP/IP protocols.

### Color Screen

For ease of use the FDS encoder has a color screen display.

Option

## AW2H DCU Door Control Unit Elevator Control Unit



### Function

For applications where a standard AW2H lock is not suitable, such as a high usage common door, MIWA's Door Control Unit will provide the security needed.

The DCU can:

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