

# User Manual

Product Name Hotel Card Lock

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Model ALFH

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Version 1.0

**Miwa Lock Co., Ltd.**

## **1. Range of Application**

### 1-1. Card Lock

This Specifications Manual applies to the ALFH card lock that is used as a key for the contactless IC card “FeliCa” issued by special issuing machines.

\* FeliCa® is a registered trademark of the Sony Corporation.

## 2. Outline

### 2-1. Cards

The ALFH hotel card lock is used as a card key for the contactless IC card FeliCa.

\* Please refer to “6. Appendix” for a list of the types of cards available.

- (1) The FeliCa card issued by special issuing machines protects all the key data contained, so the data is very difficult to copy, alter or forge.
- (2) It is possible to combine various applications that utilize the features of FeliCa.
  - \* Please inquire separately when uploading other applications.

### 2-2. Outline of Functions

#### 2-2-1. Data Verification

- (1) Unlocking can be performed simply by holding up the card near the Lock Antenna.
- (2) Unlocking will occur only when the input data set up beforehand in the hotel card lock (room number and time, etc) and the key data in the card key are compared and found to match the information within the lock.
- (3) When a re-issued card key is used in the lock, it becomes no longer possible to use the card.
  - \* In the event of a lost card, once a re-issued card is used in the lock there is no chance of use by somebody else trying to use the old card.
- (4) When a valid card key is used, the “Decoding Lamp” will light up orange and the “Verification OK” lamp will light up green, whereupon the door will be unlocked only for a previously set time. If the card does not match the lock, the “Verification NG” lamp will light up red, and the door will stay locked.

## 2-2-2. Record of Use

- (1) Up to 600 lock-opening operations using the card key are recorded from the most recent date. Once 600 operations are recorded, new operations are recorded over old ones from the beginning.
- (2) Operations that show a verification error are also recorded up to 40 times in order of the most recent date, as per the lock-opening operation.

## 2-2-3. Battery Power/Buzzer

- (1) Four triple-A alkaline dry batteries are used, which will last about one and a half years (if used 10 times per day).
- (2) If the Master Card/Sub Master Card is used when the battery power runs low, the LED and buzzer will inform the user that the batteries need replacing.
- (3) The buzzer can be set in the "On" or "Off" position.

\* Card Key Verification OK/NG needs to be set.

Conditions	Alarm sound	Initial setting
Card Key Verification OK	Pi...	Off
Card Key Verification NG	Pi, pi...	
Low Battery Power	Pi, pi, pi...	On

## 2-2-4. Other Functions

- (1) IrDA communication function (infrared light communication) can be used when lock-setting data entry/confirmation or record-of-use data confirmation is performed using a data input unit.
- (2) Lock-setting data and record-of-use data are stored in the flash memory so data will never be lost even if the batteries within the lock run out.
- (3) The lock clock will be backed up for about 5 minutes when the batteries are replaced.

### 3. Regulatory Compliance

#### 3-1. USA-Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

#### **Caution:**

Any changes or modifications not expressly approved by the party responsible for product compliance could void the user's authority to operate the equipment.

#### **Labelling**

MIWA LOCK Hotel Card Lock ALFH is labelled as below.

FCC ID: **VBU -ALFH**

The proposed FCC ID label format is to be placed on the module. If FCC ID is not visible when the module is installed into the system, "Contains FCC ID: **VBU -ALFH**" shall be placed on the outside of final host system.

### 3-2. Europe

#### European Community Declaration of Conformity with Regard to the R&TTE Directive 1999/5/EC

The following standards were applied: (R&TTE Directive 1999/5/EEC)

- EN 301 489-1 V1.6.1 (2005-09) & EN 301 489-3 V1.4.1 (2002-08)
- EN 300 330-2 V1.3.1 (2006-04)
- EN 60950-1: 2001

The following CE mark is affixed to the device:



#### Declaration of Conformity with Regard to the R&TTE Directive 1999/5/EC

Hereby, **MIWA LOCK CO., LTD.** declares that this **HOTEL CARD LOCK; ALFH** is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Český [Czech]	<i>MIWA LOCK CO., LTD.</i> Tímto prohlašuje, že tento <i>HOTEL CARD LOCK; ALFH</i> je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]	Undertegnede <i>MIWA LOCK CO., LTD.</i> Erklærer herved, at følgende udstyr <i>HOTEL CARD LOCK; ALFH</i> overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch [German]	Hiermit erklärt <i>MIWA LOCK CO., LTD.</i> Dass sich das Gerät <i>HOTEL CARD LOCK; ALFH</i> in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Eesti [Estonian]	Käesolevaga kinnitab <i>MIWA LOCK CO., LTD.</i> Seadme <i>HOTEL CARD LOCK; ALFH</i> vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Español [Spanish]	Por medio de la presente <i>MIWA LOCK CO., LTD.</i> Declara que el <i>HOTEL CARD LOCK; ALFH</i> cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ <i>MIWA LOCK CO., LTD.</i> ΔΗΛΩΝΕΙ ΟΤΙ <i>HOTEL CARD LOCK; ALFH</i> ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Français [French]	Par la présente <i>MIWA LOCK CO., LTD.</i> Déclare que l'appareil <i>HOTEL CARD LOCK; ALFH</i> est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

<p><b>[it]</b> Italiano [Italian]</p>	<p>Con la presente <i>MIWA LOCK CO., LTD.</i> dichiara che questo <i>HOTEL CARD LOCK; ALFH</i> è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.</p>
<p>Latviski [Latvian]</p>	<p>Ar šo <i>MIWA LOCK CO., LTD.</i> deklarē, ka <i>HOTEL CARD LOCK; ALFH</i> atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.</p>
<p>Lietuvių [Lithuanian]</p>	<p>Šiuo <i>MIWA LOCK CO., LTD.</i> deklaruoja, kad šis <i>HOTEL CARD LOCK; ALFH</i> atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.</p>
<p><b>[nl]</b> Nederlands [Dutch]</p>	<p>Hierbij verklaart <i>MIWA LOCK CO., LTD.</i> dat het toestel <i>HOTEL CARD LOCK; ALFH</i> in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.</p>
<p><b>[mt]</b> Malti [Maltese]</p>	<p>Hawnhekk, <i>MIWA LOCK CO., LTD.</i>, jiddikjara li dan <i>HOTEL CARD LOCK; ALFH</i> jikkonforma mal-ftiġġijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Dirrettiva 1999/5/EC.</p>
<p><b>[hu]</b> Magyar [Hungarian]</p>	<p>Alulírott, <i>MIWA LOCK CO., LTD.</i> nyilatkozom, hogy a <i>HOTEL CARD LOCK; ALFH</i> megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.</p>
<p><b>[pl]</b> Polski [Polish]</p>	<p>Niniejszym, <i>MIWA LOCK CO., LTD.</i>, deklaruje, że <i>HOTEL CARD LOCK; ALFH</i> spełnia wymagania zasadnicze oraz stosowne postanowienia zawarte Dyrektywie 1999/5/EC.</p>
<p><b>[pt]</b> Português [Portuguese]</p>	<p><i>MIWA LOCK CO., LTD.</i> declara que este <i>HOTEL CARD LOCK; ALFH</i> está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.</p>
<p><b>[sl]</b> Slovensko [Slovenian]</p>	<p><i>MIWA LOCK CO., LTD.</i> izjavlja, da je ta <i>HOTEL CARD LOCK; ALFH</i> v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.</p>
<p>Slovensky [Slovak]</p>	<p><i>MIWA LOCK CO., LTD.</i> týmto vyhlasuje, že <i>HOTEL CARD LOCK; ALFH</i> spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.</p>
<p><b>[fi]</b> Suomi [Finnish]</p>	<p><i>MIWA LOCK CO., LTD.</i> vakuuttaa täten että <i>HOTEL CARD LOCK; ALFH</i> tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.</p>
<p><b>[sv]</b> Svenska [Swedish]</p>	<p>Härmed intygar <i>MIWA LOCK CO., LTD.</i> att denna <i>HOTEL CARD LOCK; ALFH</i> står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.</p>