

# User Manual

Product Name    Contactless Smart Card Reader

Model   RDFL-B03H/   RDFL-B03BLE/   RDFL-B03BLES

**Ver.1.0**

**Apr. 8, 2019**

**MIWA LOCK CO., LTD.**

## 1. APPLICATIONS

This manual explains the contactless smart card readers "RDFL - B03H", "RDFL - B03 BLE" and RDFL-B03BLES which are readers exclusively for the card key of the hotel card lock "ALV2". These will manage guest rooms and hotel facilities.

Model: RDFL-B03H ... Only Mifare Card can be used

Model: RDFL-B03BLE ... Mifare Card and Bluetooth Low Enagy (BLE) can be used

Model: RDFL-B03BLES ... Mifare Card and Bluetooth Low Enagy (BLE) can be used with Diffuse reflection photoelectric sensor

## 2. SUMMARY

### 2-1.Contactless Smart Card Reader

- (1) It is a card reader dedicated to the entrance of the hotel card lock "ALV2" which reads and outputs Mifare card or smartphone authentication key.
- (2) When using a contactless smart card or a smartphone authentication key issued from an issuing device installed in the front desk, various information such as a hotel code and a room number are collated with the stored data. If it is confirmed that the card is valid, it outputs a signal to the external system.

## 3. GENERAL SPECIFICATIONS

Specifications	
Model	RDFL-B03H (Mifare Type) RDFL-B03BLE (Mifare and BLE Type) RDFL-B03BLES (Mifare and BLE Type) with Diffuse reflection photoelectric sensor
Dimensions	Panel 116(W) , 120(H) , 7(D) Main body 90(W) , 70(H) , 35(D)
Weight	250g approximately
Materials	Panel : Acrylic Main body : ABS resin
Power supply	supplied from a controller
Operation temperature	-10~50°C
Safekeeping temperature	-10~60°C
Operation humidity	20~90%RH Without condensation
Target card	ISO14443 TYPE A (MIFARE)

#### 4. Detail of function

- (1) Bring a card key or smartphone close to the contactless smart card reader.
- (2) The contactless smart card reader reads the key data and if the data accords with the database, signal is sent the external system.

Collation data:

- 1) Hotel code
- 2) Validity of the card key or authentication key. (from check-in time to check-out time)
- 3) Room number of the key.

- (3) If the card key is valid, the LED lights blue. In case of invalid card key, the LED lights red.

## 5. Regulatory Compliance

### Caution:

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

#### 5-1. USA-Federal Communications Commission (FCC)

NOTE: 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 unit complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This unit may not cause harmful interference, and
- (2) This unit must accept any interference received, including interference that may cause undesired operation.

#### • Responsible Party – U.S. Contact Information

MIWA Irvine, CA Office

9272 Jeronimo Road, Suite 119, Irvine, CA 92618

Telephone : 1-949-328-5280 / FAX : 1-949-328-5281

## 5.2. Innovation, Science and Economic Development Canada (ISED)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## 6. Labeling

MIWA LOCK contactless smart card reader is labelled below.

• RDFL-B03H(Mifare type)

FCC ID : VBU-RDFLB03H

IC : 21683-RDFLB03H

• RDFL-B03BLE and RDFL-B03BLES(Mifare and BLE type)

FCC ID : VBU-RDFLB03H

IC : 21683-RDFLB03H

Contains FCC ID: VPYLBZY

Contains IC: 772C-LBZY