

**USER GUIDE**  
**RFID LOCKER LOCK**  
**(MODEL : ZP200WR)**



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## 1. Understanding ZP200WR RFID locker lock

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### 1.1 What is the RFID Locker lock?

- ZP200WR RFID locker lock is the cabinet lock operated by 13,56 Mhz RF keys such as card, tag, key ring or wristband.
- It has the wireless online communication feature that provide the central controlling and remote monitoring ( See Esmart ultra user manual )

### 1.2 Card Type and Functions

- ◆ Key Card : : Key for locks.
- ◆ Owner Card : : Manage Master card
- ◆ Master Card : Each of the following function can be set.
  - ① Alarm Off, User card delete & registration, and Locker open.
  - ② Alarm Off and Locker open and close only.
- ◆ User Card : Two types of User Cards can be set by Locker Management System.
  - ① User card for Fixed Mode
  - ② User Card for Free Selection
- ◆ Audit Trail Card : Collect the latest 18 event data from the lock, and download to the data to PC through LOS program.
- ◆ Time/Master card Change : Time Setting & New Master Card registration.

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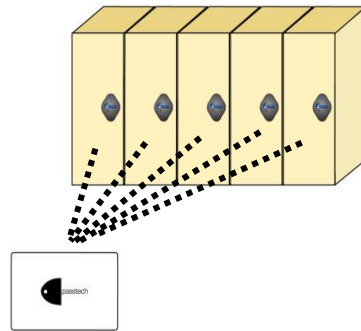
## 2. Type of Lock Operation

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ZP200WR lock is designed to work for the various operation requirements by simple set up process. Following operation modes can be programmed before or after lock installation.

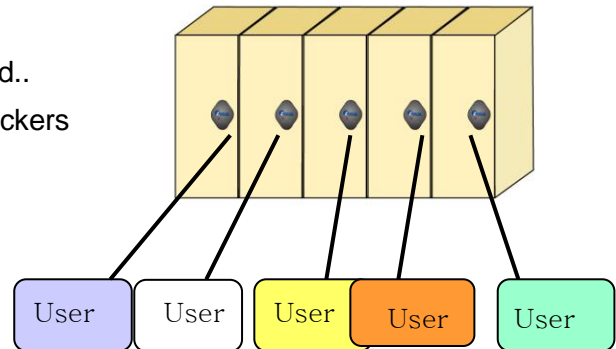
### 2.1 Free Selection (Day Use)

- User can select any empty locker.
- LED lamp is blinked to represent locker is in use (Option. In-use lamp off is recommended to save battery)
- Programmable to use multiple locks with one User card (max. 5 lockers)
- Programmable for Time based operation



### 2.2 Fixed Mode (Pre-Assigned Mode)

- Each Locker is assigned to each User card..
- Programmable to use multiple assigned lockers with one card (max. 5 lockers in current program).
- Programmable for multiple user mode per a locker (max. 8 users in a locker).



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## 3. Basic operation of the Lock

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Once the settings of ZP200WR locks are completed by Setup card, Key, Owner card, Master cards and Clear card are saved in the memory of each lock.

Starting the Lock : Press the “Touch” Button, and put the RF card (key) on the front body.



### 3.1 Owner Card

The role of the Owner card is to delete the Master card registration. Therefore, Owner card will be used to delete current master card registration in the lock, and make the lock to be ready to register new Master Card.

It is simple to delete the Master card registration and to register new master card in the lock :

***Put the Owner card to the lock until lock sounds beep (one time) and red lamp lights.***

***Now, all Master card registration is deleted from the lock.***

***☞ If you registered 5 Master cards in the lock, all these 5 Master card registrations are deleted.***

### 3.2 Master Card

#### 3.2.1 Functions of the Master Card

(1) Customer can select the function of the Master card from the following two options. Master card setting will be done by supplier.

- ◆ *Master card I : Alarm Off, User card delete and Locker open.*
- ◆ *Master Card II : Alarm Off and Locker open and close (User remained)*

(2) Maximum five Master cards can be registered in a lock.

### **3.2.2 Replacing old Master cards with New Master cards**

There are two ways to delete the lost Master card and register new Master card in the lock.

#### **(1) Using Time/Master Change Card**

- ① Read the master cards (all Master cards to be used in a lock) to register in each lock at Time/master change menu in LOS program (or LIS program).
- ② Put the Time/Master change card to the reader, and download the master card chip numbers to the Card.
- ③ Put the Time/Master change card to the locks, then, new Master cards will be registered to the lock, and lost master card will be blocked.

#### **(2) Using Owner Card**

- ① Delete the old master card registrations in the lock (refer to the 3.1) with Owner Card.
- ② Put new master cards to each lock so as to register new master cards. Then, old master card you lost will not be used.

☞ All existing Master cards needs to be registered again together with new Master card because all master card registrations were deleted if Owner card or Clear card is used.

### **3.2.3 Functions of the Master Cards**

The function of the Master card can be selected when Master card is issued by :LKS (Locker Key Management System).

- ① Door Open & User deletion : Turn off the alarms, open the lock and delete old User card registration in the lock.
- ② Door Open and close : Turn off the alarms and open the lock, and close the lock. User information in the lock is remained.

### **3.2.4 Can I set the Master cards to open all locks or specific group of locks only?**

Yes. A Master card is registered in all group of locks, this Master card can open all locks, and the other Master cards is registered in any specific group of locks only, this

Master card can open this specific group of locks only.

Master card registration is made by Setup card when Locker is installed or Master Card Change card during locker operation (please refer to 3.2 for Master card change).

### **3.2.5 How do I add new Master card?**

The procedure to add new Master card is same as 3.2.1. All master cards that will be used in locks must be registered to the locks because all Master card registration is deleted from the locks when Owner card is used.

Alternatively, Time/Master change card can be used. It is recommended to register new master cards at many locks. Please refer to the LOS program manual for Master card registration.

## **3.3 User Card**

### **3.3.1 Free Selection**

The initial status of the lock in Free Selection mode is open (Latch is inside).

#### **- Initial Use -**

- ① Select the empty locker.
- ② Put your belongings in the locker.
- ③ Press "Touch" button on the front body of the lock to wake up the lock, and place your card (or any form of user key) to the front body of the lock.
- ④ Wait until the Green LED lights and Beep sounds once.
- ⑤ Bolt will move out, and lock is closed.
- ⑥ Close the door, and the lock will be remained at locking state.

#### **- Open the lock -**

- ① Press "Touch" button on the front body of the lock.
- ② Put close your card to the front body of the lock.
- ③ Lock will check the lock ID and key of the user card (or any form of user key).
- ④ Lock will emit Green LED and beep sound once it is right user card .
- ⑤ Bolt will be moved and locker will open.
- ⑥ User information will be erased from the lock so that new user can use the empty lock.

*☞ In free selection mode, lock and card needs to read and write the each other's information. So please do not sway the card until the latch is moved.*

### **3.3.2 Fixed Mode (Pre-Assigned Mode)**

The initial status of the lock in Fixed Mode is closed status (bolt out)

#### **- Open and close the lock -**

- ① Press "Touch" button on the front body of the lock.
- ② Put the User Card to the front body of the assigned lock.
- ③ Lock checks the card, and green LED lights and beep sound once. Then, lock will be opened, and closed again in 5 seconds.
- ④ To close the locker, just close the door. Lock will remains the closed status.

### **3.3.3 Replacing old User card with New User card**

#### **(1) Free Selection**

- ① Issue new user card by LOS (Locker Operation System) program.
- ② In case the locker is closed, put **Master Card** to the lock to open the lock.
- ③ Put new User card to the lock, then lock will accept new User card, and missing card will not be accepted.
- ④ In case the locker is opened, just put the new user card to the lock, and the lock will register this locker number. Old User key will not be accepted.

#### **(2) Fixed Mode**

- ① Issue new User card (with assigned locker Number) for Fixed Selection.
- ② Put Master Card to the lock to delete the old user card, and put the new User card to the lock.
- ③ Lock will accept the new user card only, and old user card registration will be deleted.
- ④ In case the lock is set for multiple users, lock revision should be updated when new user card is issued by LOS program. Then, Lock updates it's revision number when new user card is registered. The other user cards which are assigned to this locker also needs to be reissued with updated lock revision by LOS program.



### **3.4 Low Battery warning and battery change**

The RFID lock uses 4 pieces of 1.5V AA alkaline batteries (6V).

When battery reaches to low voltage ; ① Beep sounds five times.

② Red LED lights

③ Low battery is recorded in the memory of the User Card (Operator can know the low battery of the lock when the card is read at operator's Program).

When low battery warning sign is displayed, please change the battery.

① Open the battery case at main case.

② Change four batteries.

③ When you pull out the battery, and do not insert the batteries in 3 minute, the clock of the lock returns to default time.([2008. 01.01](#))

#### **CAUTION**

**RISK OF EXPLOSION IF BATTERY IS REPLACED  
BY AN INCORRECT TYPE.  
DISPOSE OF USED BATTERIES ACCORDING  
TO THE INSTRUCTIONS**

④ Please use [the Time/Control Card change card](#) to set the time of the lock. (For setting of Time/Control Change card, please refer to "LOS (Locker Operation System) User Manual" or LIS (Locker Installation System) User manual.

### **3.5 Audit Trail**

① Put Audit Trail Card to the lock.

② The latest event data (up to 18 events) will be downloaded from lock to the Card. Wait until melody is on.

③ Read the Card at LOS program, and 18 event data will be saved to the PC.

### 3.6 Open in Emergency

- 1) In case User forget his(her) password, Operator can open the lock by Master Card.
- 2) Once Master card is used to open the lock, the lock reverts to default position  
(i.e. lock will stay open for Free Selection, and default code of 1234 for Fixed Selection mode.).
- 3) User Card ID will be erased from the lock if Master Card has the function to delete the User ID. It depends on setting of Master Card.
- 4) When the lock stops working due to low battery, lock can be opened by external emergency battery pack.



## ANNEX A Beep & LED Table

Beep	LED	Description
1 x short beep	1 x Green(2sec)	OK
2 x short beep	1 x Red(2sec)	Operation Error
3 x short beep	1 x Red & Green in turn(2sec)	Time over
Do-Re-Mi Melody	1 x Red & Green in turn(2sec)	Successful Set up / mode change / Time setting
5 x short beep	5 x Red & Green	Low battery
Do-Re-Mi Melody	2 x Red & Green	Successful connection between front and back bodies.
1 x short beep	1 x Green	Off the Alarm by Control card
Melody	1 x Green	Successful registration of Owner Card/ Control Card
Melody	1xGreen	Read Clear Card and delete the information of O/C/U in the memory of the lock.
No Beep	Both Green and Red LED blinks	1) Owner Card is not registered. 2) In case of Shift or Week-day operation mode, Alarm for shift or Time due.
No Beep	Red on/off	Owner card is registered, but Control card is not registered.
No Beep	Green on/off	Owner & Control card are registered, but User card is not registered in Fixed Mode.

## Annex B Troubleshooting

<p>Master card registration in the lock was failed.</p>	<p>1) Master card registration should be followed after deleting old Master card in the lock by Owner card. 2) Put Master card on the lock before waiting time is out after Owner card.</p>
<p>Cannot open the lock with Master card</p>	<p>Master card is not registered in the lock. Please Register the Master card in the lock.</p>
<p>Cannot open or close the lock by User card</p>	<p>1. Check the Setting of User card by LOS. (1) Free Selection Mode  <ul style="list-style-type: none"> <li>● Validity / Operation mode / Lock ID / Number of locks this user card can be used.</li> </ul> (2) Fixed Selection Mode  <ul style="list-style-type: none"> <li>● Validity /Operation Mode / Lock ID / Number of locks this user card can be used.</li> </ul> 2. Reset the time of the Lock with Time/Control card change.   3. Old User card may be still in the memory of the lock. Erase the card information from the lock by Clear card, then register again the Owner card and Control Card, then use User card.</p>
<p>When “Touch” button is pressed, five beep sounds with Red lamp.</p>	<p>Low battery sign. Please replace the batteries.</p>
<p>Latch does not move, while Card and lock operates in normal.</p>	<p>Too many goods may press the lock body. Push the locker door to make the space for the latch movement.</p>

Should you have any questions, please contact your local distributor or our technical support.

## USA–Federal Communications Commission (FCC)

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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. If not installed and used in accordance with the instructions, it 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 tuning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

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

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