5000 USER MANUAL

ELECTRONIC RFID & KEYPAD LOCKS
ZEPHYR LOCK

1. Summary

1.1 What are 5000 Locks?

5000 locks are the RFID and keypad integrated locker lock can operated by either RFID Cards or password keypads.

Digital Button (0 – 9)

Power Button   Lock Button/Unlock Button

1.2 RFID Card Types and Functions

Item	Card Types	Functions
1	User Card	This card can open registered lock only
2	Data Card	Read the open lock record and lock information
3	Time Change Card	Setup lock clock
4	Setup Card	Write preset information into lock
5	Management Card	Open any lock does not clear the registered card/password
6	Control Card	❶ Open any lock ❷ Clear registered card/password
7	Authorization Card	Authorize ELMS software and locks

1.3 Lock Operation System Composition

Lock Operation System consisted of PC based Electronic Lock Management System (ELMS) software and RFID Card reader/writer, and enable the operator to issue User card, setting the lock information, lock status and to produce the statistical report.

System Requirements:

* OS: Windows XP/Windows7/Windows8
* USB port for Card reader/writer interface

2. Operation Type

5200 Locker Locks are designed to work for the various operation requirements by simple setup process. Following operation modes can be programmed before or after lock installation.

2.1 Shared Use Mode

2.1.1 User can select any available locker

2.1.2 LED lamp to show the status of locks

2.1.3 Programmable to use multiple locks with one user card

2.1.4 Programmable for time based operation

2.2 Permanent Use Mode
2.2.1 Locker assigned to each user card in advance

2.2.2 Programmable to use multiple assigned lockers with one card

2.2.3 Programmable for multiple users per locker

3. Lock Operations

3.1 Shared Use Mode-- *Storage Personal belongings*

3.1.1 User approaches the locker; locker door is open and no light is flashing, which means the locker is available

3.1.2 User opens the locker door; places device(s) inside the locker, then closes the door.

3.1.3 Presses the Power Button, Green LED starts flashing for 6 seconds, the lock is ready to accept user input by scan user RFID card or key code combination.

3.1.4 User then refocuses on the keypad and begins entering his own 4-digit pass code.

3.1.5 As he presses the first number button, the green LED flashing turns off.

3.1.6 After the fourth number is entered, and presses the Lock Button within 5 seconds,

3.1.7 The red LED flashes once and the bolt extent out the lock.

3.1.8 The red LED continues to flashing red, showing that the locker is in use

-- *Take Personal belongings*

3.1.9 User approaches the locker, press the Power Button and start enter the 4-digit pass code then press the Unlock Button.

3.1.10 Red LED turns off and bolt retracted.

3.1.11 User opens the locker door and takes out his personal belongings then walk away, keep the locker door open.

3.1.12 The locker is now available for the next user.

3.2 Permanent Use Mode

3.2.1 User approaches the locker; locker door is closed and no light is flashing, which means the locker is only available for Permanent Use.

3.2.2 User pushes the Power Button and swipes registered User Card.

3.2.3 Green LED starts flashing the bolt retracts for 3 seconds

3.2.4 User opens the locker door within 3 seconds, places (or takes) Personal belongings then closes the locker door. After 3 seconds, bolt automatically extends out.

3.2.5 All LED turns off showing that the locker is in use.

4. Lock Setting and Emergency open

4.1 Lock Setting

4.1.1 Use the ELMS software to pre-set the lock's function, then issues Cards.

4.1.2 Swipe the Authorization Card.

4.1.3 Swipe the Setup Card, Lock setting is now completed.

4.2 Emergency open

In case user forgot the password, or lost his User card

4.2.1 Operator can swipe the Management Card to open the lock.

4.2.2 Or swipe the Control Card to open the lock.

Note: If the lock worked in Shared Use mode, after swiped the Control Card, the registered card / password will be clear

5. Indication of sound and light

5.1 Shared Use Mode Operations

5.1.1 All the pass code is 4-digit 0 – 9.

5.1.2 Key tone: 1 short beep.

5.1.3 Unlock or Lock : 1 short beep.

5.1.4 Less than 4-digit are entered presses Lock Button: 4 short beeps.

5.1.5 More than 4-digit are entered presses Lock Button: 3 short beeps.

5.1.6 Available status: No LED lights.

5.1.7 In use status: Red LED flashes.

5.1.8 Power Button: 1 short beep, green LED flashing 5 seconds.

5.2 Permanent Use Mode operations

5.2.1 Swipe User Card: 1 short beep, green LED flashing once.

5.2.2 Swipe Management Card: 1 short beep, green LED flashing 5 seconds.

5.2.3 Swipe Control Card: 1 short beep, green LED flashing 5 seconds.

5.2.4 Swipe Data Card: Start Reading: 1 short beep, Finish Reading: 2 short beeps, green LED flashing.

5.2.5 Swipe Time Change Card: 2 short beeps.

5.2.6 Swipe Setup Card: 2 short beeps.

5.2.7 Swipe Authorization Card: 1 short beep.

FCC Information and Copyright

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.
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

FCC ID:XLY-5000