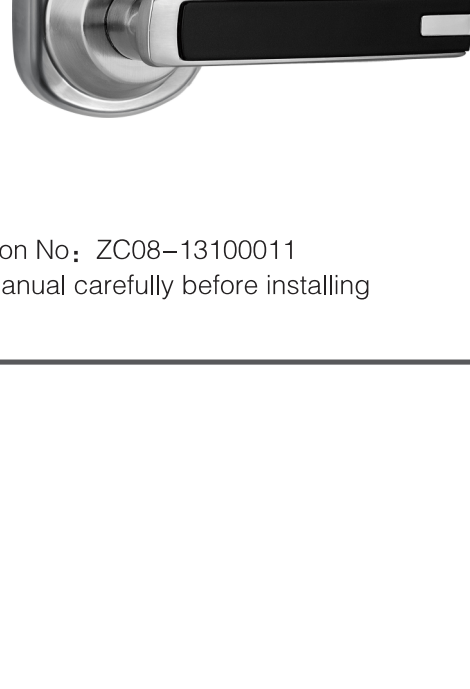


User Manual

Z-Wave Lock



Z-Wave Certification No: ZC08-13100011
➤ Please read this manual carefully before installing


Content

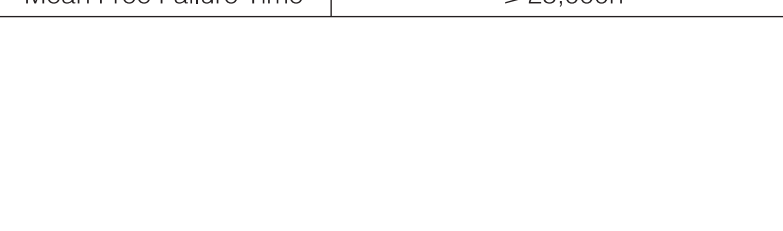
I. Product Introduction	01
1. Product Introduction	01
2. Product Performance Parameters	03
3. Packing List	04
II. Installation Guide	06
1. Installation Condition	06
1.1. Door Thickness Requirement	06
1.2. Confirmation for Door Swing Direction	06
2. Installation Tools	06
3. Drilling Template	07
4. Installation Steps	08
III. Operation Guide	10
1. Key Instruction	10
2. Password Quantity Distribution	10
3. Unlock Mode	10
4. Instruction for Door Lock Setting	10
4.1. Modify the Programming Code	10
4.2. Add User Password	11
4.3. Modify User Password	11
4.4. Delete Single User Password	12
4.5. Delete All User Passwords	12
4.6. Enable/Disable Button Voice	13
4.7. Z-WAVE Gateway enroll/unenroll	13
5. Door Opening and Closing Instruction	13
5.1. User Password Unlocking	13
5.2. Programming Code Unlocking in Emergency	14
5.3. Wireless Unlocking	14
6. Reset	14
7. Malfunction Prevention Function	15
8. Low Voltage Alarm and Battery Replacing Method	15
8.1. Low Voltage Alarm	15
8.2. Battery Replacing Method	15
8.3. Mechanical Keys Usage	15
9. Z-Wave Technical Specification	16
V. After-sale Service	18
Appendix I	19
Appendix II	20

I. Product Introduction

1.Product Introduction

1.1. Z-Wave

	Size(Outside) (mm*W*H*D)	69.3 × 156.7 × 85.8
	Material	Zinc alloy
	Weight	2.3Kg

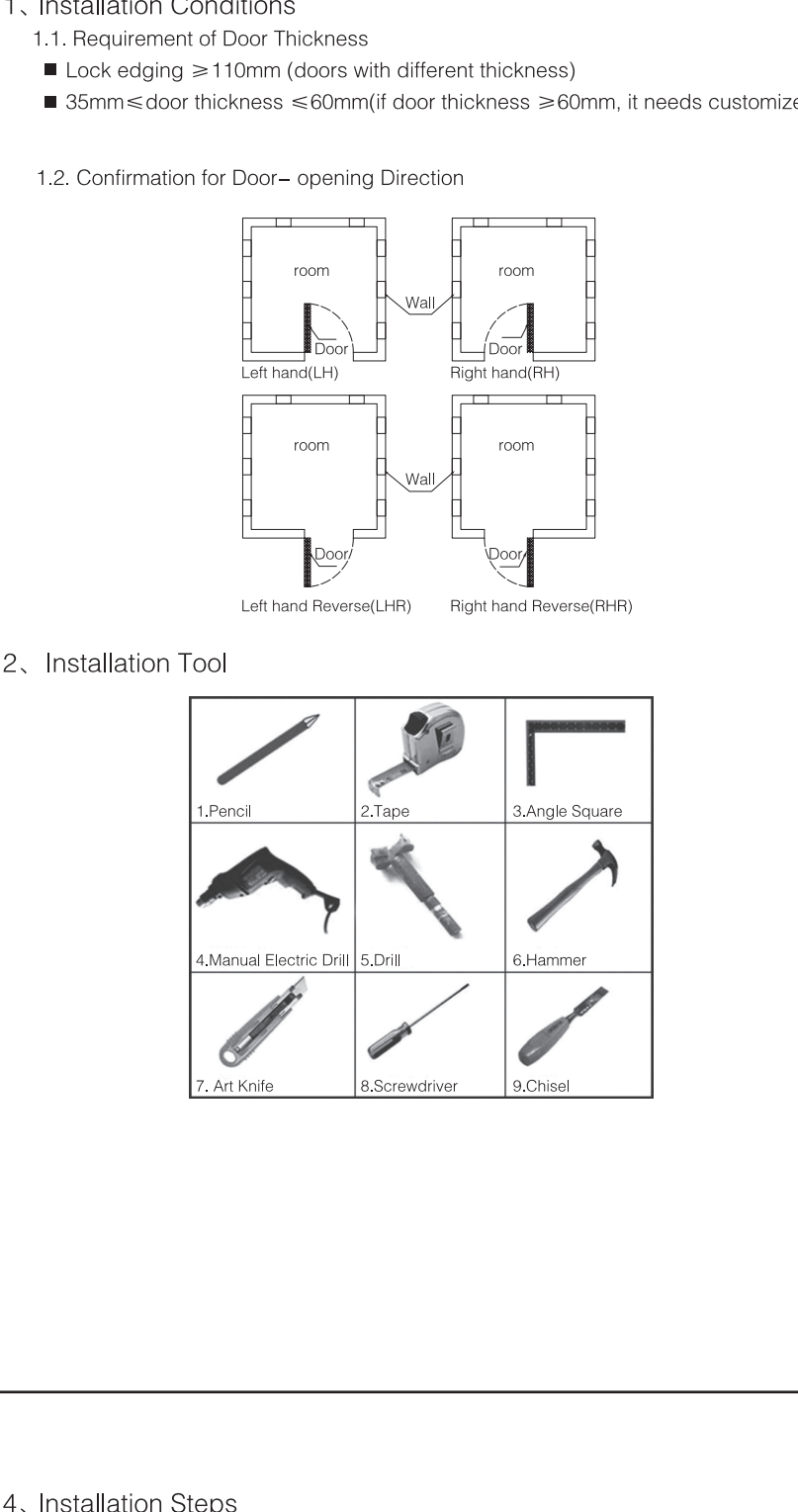


3.Product Performance Parameters

Description	Parametric Description
Open Mode	Code,mechanical key , wireless
Identification Time	<1s
False Reject Rate	≤0.01%
False Identification Rate	≤0.0001%
User Capacity	20
Working Voltage	5 alkaline batteries for 4pcs AA(DC4.8 ~ 6.5V)
Deficient Voltage Alarm	5.0V (+/-0.2V)
Holding Current	30 ~ 450uA
Working Temperature	-20℃ ~ 55℃
Storage Temperature	-30℃ ~ 70℃
Mean Free Failure Time	≥25,000h

4.Packing List

4.1.

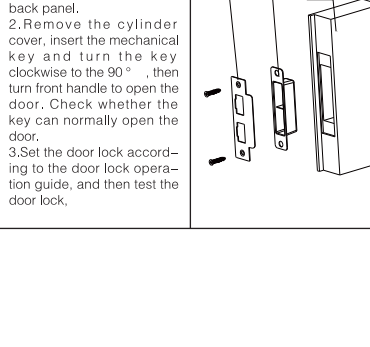


II. Installation Guide

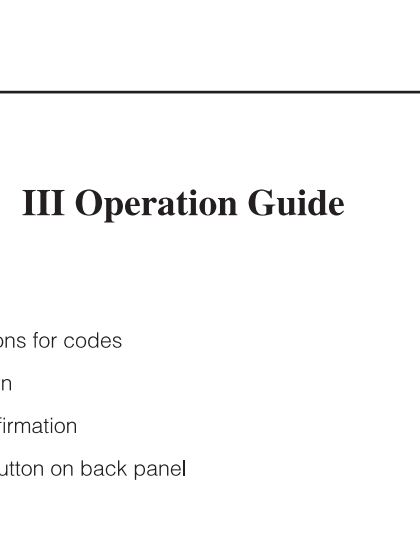
1. Installation Conditions

- 1.1. Requirement of Door Thickness
 - Lock edging ≥ 110mm (doors with different thickness)
 - 35mm≤door thickness ≤60mm(If door thickness ≥60mm, it needs customized parts)

1.2. Confirmation for Door— opening Direction



2. Installation Tool



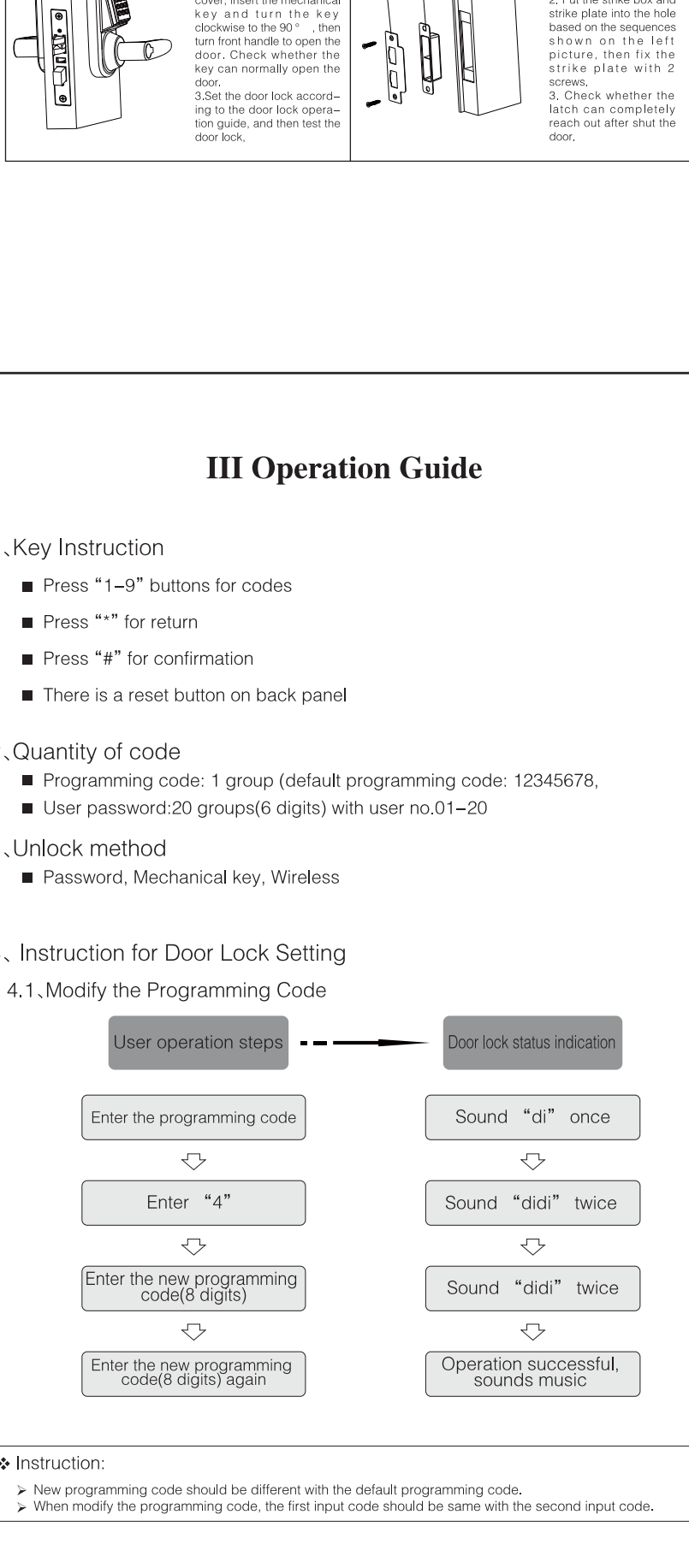
3.Drilling figure

3.1 Five latch mortise drilling figure



4. Installation Steps

4.1.Installation Steps of Lock With Five Latch Mortise



III Operation Guide

1. Key Instruction

- Press "1-9" buttons for codes
- Press "*" for return
- Press "*" for confirmation
- There is a reset button on back panel

2.Quantity of code

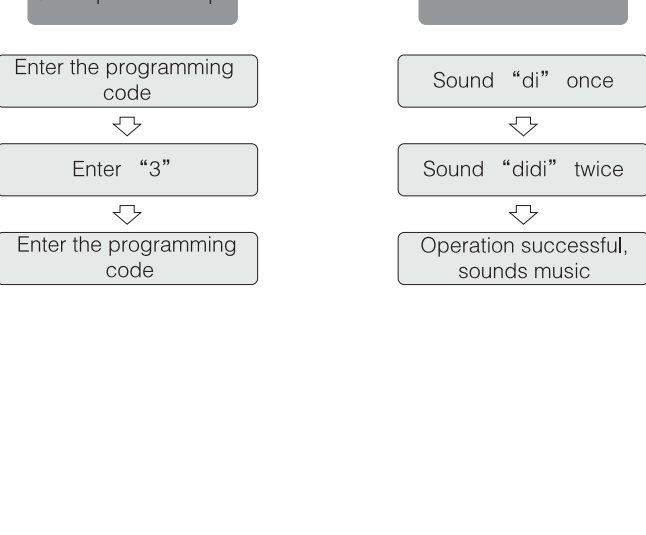
- Programming code: 1 group (default programming code: 12345678,
- User password:20 groups(6 digits) with user no.01~20

3. Unlock method

- Password, Mechanical key, Wireless

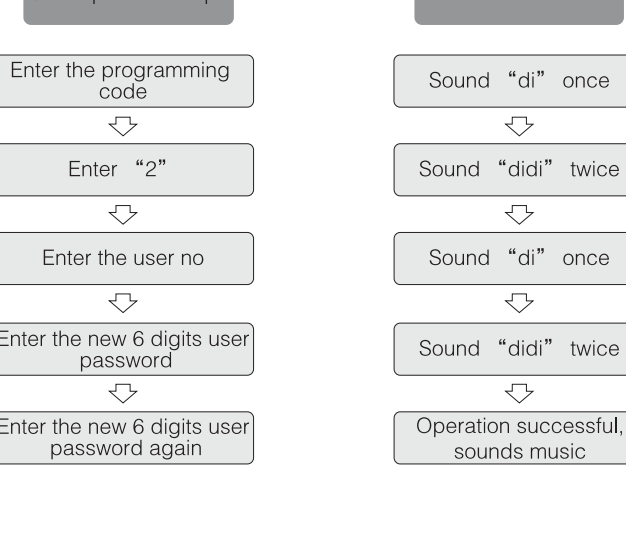
4. Instruction for Door Lock Setting

4.1.Modify the Programming Code



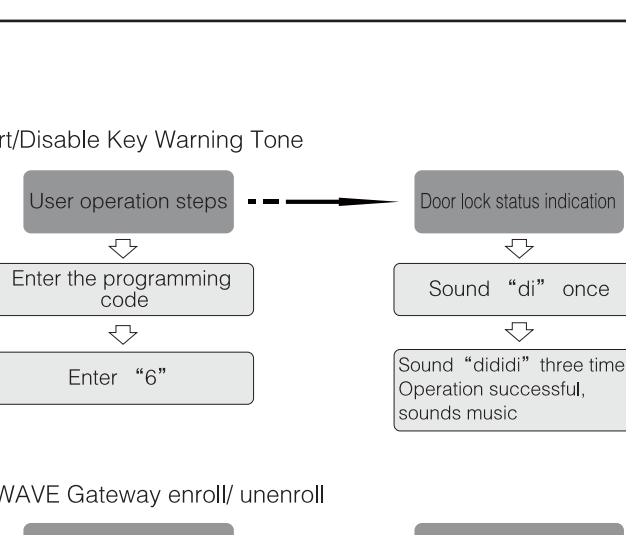
- ◆ Instruction:
 - New programming code should be different with the default programming code.
 - When modify the programming code, the first input code should be same with the second input code.

4.2.Add user password

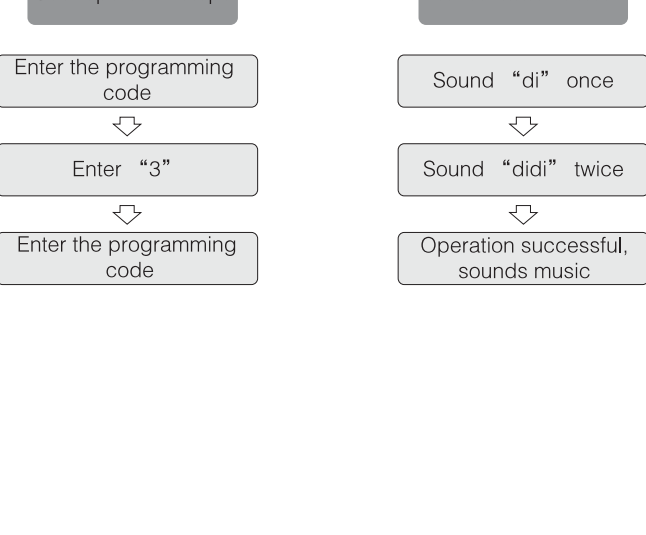


- ◆ Notes:
 - If the door lock has been added, it prompts user password adding fail and quit automatically.

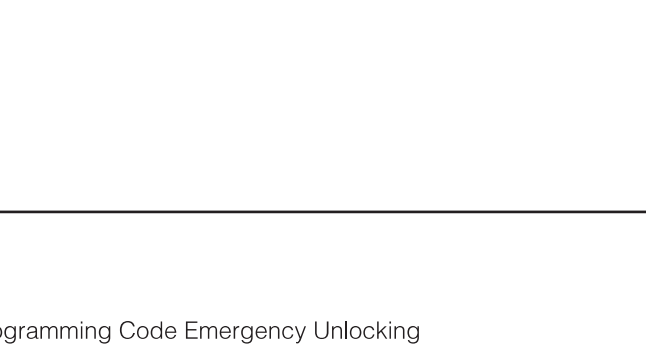
4.3.Modify the user password



4.4.Delete single user password



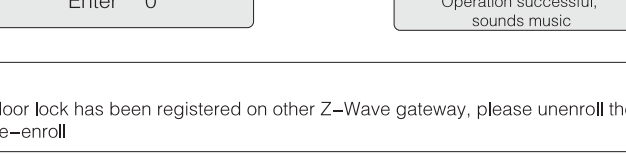
4.5.Delete all user password



4.6.Start/Disable Key Warning Tone



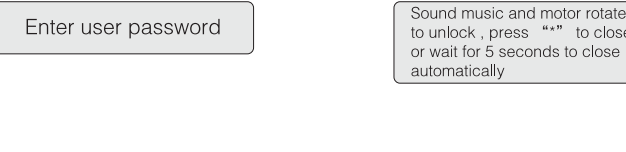
4.7.Z-WAVE Gateway enroll/unenroll



- ◆ Notes:
 - If the door lock has been registered on other Z-Wave gateway, please unenroll the lock firstly, then re-enroll.

5. Door opening and closing instruction.

5.1. User Password Unlocking



7. Malfunction prevention functions

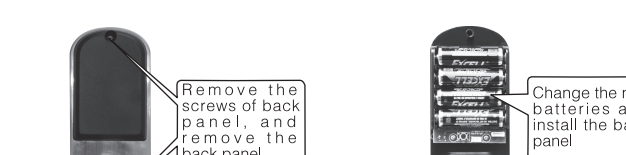
When 10 failed authentication attempts with unregistered code, the lock will stop operating for 5 minutes.

8.Low voltage alarm function and battery replacing Method

8.1. Low voltage alarm function

When battery power is lower than 5.0v (+/-0.2), when unlock the door, there will be alarm. After open the door, light red & flash 3 times and beep 3 times.

8.2. Battery Replacing Method



8.3. Mechanical Key



9.Z-Wave Technical Specification

Generic Device Class = GENERIC_TYPE_ENTRY_CONTROL;
Specific Device Class = SPECIFIC_TYPE_SECURE_KEYPAD_DOORLOCK;
FLURS setting = APPLICATION_FREQ_LISTENING_MODE_1000ms;

The device is the process of safely enabling Z-Wave, making the Z-Wave security layer according to the Z-Wave agreement. The function and supporting instructions are different when they are listed into safe or unsafe modes.

According to the Z-Wave anti-theft instruction V2 grade, the device can supports the anti-theft protection function. When the anti-theft protection enables the Z-Wave agreement, the order of supporting is only anti-theft CC.

Order	Capability of the device	Including safe mode, RF response, RF response protection of response	Including safe mode, RF response	Including safe mode, RF response	Including safe mode, RF response	Including safe mode, RF response	Including safe mode, RF response
Anti-theft	✓	✓	✓	✓	✓	✓	✓
Especially for Manufacture	✓	✓	✓	✓	✓	✓	✓
version	✓	✓	✓	✓	✓	✓	✓
safety	✓	✓	✓	✓	✓	✓	✓
Application _status	✓	✓	✓	✓	✓	✓	✓
Alarm	✓	✓	✓	✓	✓	✓	✓
Association	✓	✓	✓	✓	✓	✓	✓
Basic	✓	✓	✓	✓	✓	✓	✓
Battery	✓	✓	✓	✓	✓	✓	✓
Configuration	✓	✓	✓	✓	✓	✓	✓
Door _lock	✓	✓	✓	✓	✓	✓	✓
Door _lock _login	✓	✓	✓	✓	✓	✓	✓
Node _name	✓	✓	✓	✓	✓	✓	✓
Schedule _setting _lock	✓	✓	✓	✓	✓	✓	✓
Scene _parameter	✓	✓	✓	✓	✓	✓	✓
User _codes	✓	✓	✓	✓	✓	✓	✓

COMMAND_CLASS_APPLICATION_STATUS
The device responds request order which refused the application program, receiving the invalid order when the original notes are identical.

COMMAND_CLASS_ASSOCIATION
This device supports 2 kinds of control groups, and in each group supporting 2 node maximum values. ID 1 is used for sending anti-social operation and alarm report. Group ID 11 is used for sending the order ON and OFF of basic device. The device may configure orders through manual or door lock. The timeout restore will start within 8s. The device set the door lock operation unchangeable and unsafe as unsafe and timeout and the device will automatically reblock mode functions.

COMMAND_CLASS_CONFIGURATION
The device reserves memory storage space of 225 bytes for upper layer application. The upper layer application program may visit the memory through the categories of configuration order. The default settings all always 00 (0), the parameter is always 10 (×01), the probable value from 0×00 to 0×FF of parameter is decided by upper application.

COMMAND_CLASS_DOOR_LOCK
There are 2 various reblock modes in the device: automatic reblocking mode (fixed cycle operation) and constant unlocking mode (constant operation). The device may configure orders through manual or door lock. The timeout restore will start within 8s. The device set the door lock operation unchangeable and unsafe as unsafe and timeout and the device will automatically reblock mode functions.

COMMAND_CLASS_NODE_AWAKE
The device report modes names will be announced after the ASC II brand name and products version are reset to factory default value.

COMMAND_CLASS_SCHEDULE_ENTRY_LOCK
The device doesn't support the function of daylight saving and ignores DST offset of offset setting order of appendix table input time. Device supports the continuous time of appendix table entering lock.

COMMAND_CLASS_USER_CODE
The device user code restores 8 digits. If user code is not 6 digits, it will ignore user code setting order.