VER: 13-1.0 User Manual **Z**–Wave Lock Z-Wave Certification No: ZC08-13100011 > Please read this manual carefully before installing **Content** 1. Product Introduction 01 2. Product Performance Parameters 03 3. Packing List····· 04 1. Installation Condition 06 1.1. Door Thickness Requirement 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 4.2. Add User Password 11 4.4. Delete Single User Password 12 4.5. Delete All User Passwords 12 4.6. Enable/Disable Button Voice-----4.7. Z-WAVE Gateway Enroll/Unenroll······ 13 5.1. User Password Unlocking 13 5.2. Programming Code Unlocking In Emergency 14 5.3. Wireless Unlocking 14 7. Malfunction Prevention Function 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 II 20 I. Product Introduction 1.Product Introduction 1.1、Z-Wave Size(Outside) 69.3 × 156.7 × 85.8 (mm:W\*H\*D) Material Zinc alloy Weight 2.3Kg Dead Bolt -Latch Bolt Rear Handle Cylinder Cover Front Handle Mortise 01 02 3. Product Performance Parameters 4. Packing List 4.1、 Description Parametric Description Open Mode Code, mechanical key, wireless Identification Time <1s False Reject Rate ≤0.01% 3.Front and Rear panel Waterproof Rubber Gaskets(2pc 2.Rear panel ≤0.0001% False Identification Rate **User Capacity** 20 Working Voltage 5 alkaline batteries for 4pcs AA(DC4.8 ~ 6.5V) Deficient Voltage Alarm 5.0V (+/-0.2V)Holing Current  $30 \sim 450 \text{uA}$ -20°C ~ 55°C Working Temperature -30°C ~ 70°C Storage Temperature Mean Free Failure Time ≥25,000h 10.Position Pin 11.Fixed Screw 12.Mechanical Key User Manual 13.User Manual 14. Five Latch Mortise Drilling Figure 03 04 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 Left hand(LH) Right hand(RH) Left hand Reverse(LHR) Right hand Reverse(RHR) 2、Installation Tool 3.Angle Square I.Manual Electric Drill 5.Drill 6.Hamme Art Knife 05 06 4. Installation Steps 3. Drilling figure 4.1, Installation Steps of Lock With Five Latch Mortise 3.1 Five latch mortise drilling figure I. Draw lines
1. Draw a horizontal center line at place 1m above the ground both inside and outside the Dig the shade area II. Drill hole According to the drilling template, drill hole for lock panel and mortise. inside and outside the door.
2. Fold the template, align the handle center line of drilling template and horizontal line on the door, and then draw the line on the front and side door according to the requirements of drilling Handle Centerline • 59 26 -98 -122 -142 III. Install lock IV. Front panel installation IV. Front panel installation
I, Insert the square shaft into the center
hub. Insert the position pin into the hole
on the center hub to secure the square
shaft. Bend the end of position pin
around the center hub to secure the pin Install the mortise into the mortise hole and fix with 2 around the center hub to secure the pin in place.

2. Screw in and tighten the two fastener extensions into the front lock fastener posts located on both side of the center hub. Attach and tighten the upper fastener extension if needed. Note: The upper fastener extension is optional 3. Place the front lock housing onto the door, with the rubber gasket between the door and lock housing. Feed the power plug through the hole; VI. Battery installation Install batter-V. Rear panel installa-1. Attach the battery plate onto the door, with the rubber gasket ies, and plug in the power cable. Secure the back lock between the door and battery plate. Make battery plate. Make sure the power plug go through the hole on the plate. Secure the battery plate to front lock fastener post with 2 screws. Fasten upper fastener post housing onto the battery plate. Fasten with 2 screws. VII. Debug after the completion of installation 1. Turn the handle, and check the flexibility of the handle of both the front and back panel. 2. Remove the cylinder cover, insert the mechanical key and turn the key clockwise to the 90°, then turn front handle to open the door. Check whether the key can normally open the door. 3. Set the door lock according to the door lock operation guide, and then test the door lock, Strike Plate screws.

3. Check whether the latch can completely reach out after shut the door. 07 80 **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 User operation steps Door lock status indication Enter the programming code Sound "di" once  $\triangle$  $\Diamond$ Enter "4" Sound "didi" twice  $\bigcirc$  $\Diamond$ Enter the new programming code(8 digits) Sound "didi" twice  $\bigcirc$ Operation successful, sounds music Enter the new programming code(8 digits) again ❖ 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. 09 10 4.2. Add user password 4.4. Delete single user password User operation steps Door lock status indication User operation steps Door lock status indication Enter the programming code Enter the programming code Sound "di" once Sound "di" once  $\bigcirc$  $\bigcirc$  $\bigcirc$  $\bigcirc$ Enter "2" Enter "1" Sound "didi" twice Sound "didi" twice  $\bigcirc$ Enter user password Sound "didi" twice Enter the user no Sound "di" once (6 digits)  $\bigcirc$  $\bigcirc$  $\bigcirc$  $\bigcirc$ Operation successful, Enter user password (6 digits) Operation successful, Enter "#" sounds music sounds music ▶ If the user password has been added, it prompts user password adding fail and quit automatically. 4.3. Modify the user password 4.5 Delete all user password User operation steps Door lock status indication User operation steps Door lock status indication Enter the programming Enter the programming Sound "di" once Sound "di" once  $\Diamond$ Enter "2" Enter "3" Sound "didi" twice Sound "didi" twice  $\Diamond$  $\bigcirc$  $\Diamond$  $\triangle$ Enter the programming Operation successful, Sound "di" once Enter the user no code sounds music Enter the new 6 digits user password Sound "didi" twice  $\checkmark$ Enter the new 6 digits user password again Operation successful, sounds music 12 11 4.6 Start/Disable Key Warning Tone 5.2 Programming Code Emergency Unlocking User operation steps Door lock status indication User operation steps Door lock status indication  $\triangle$  $\triangle$  $\triangle$ Enter the programming code Sound "di" once Enter programming code Sound "di" once  $\Diamond$ Sound music and motor rotate to unlock, press "\*" to close or wait for 5 seconds to close Sound "dididi" three times. Enter "6" Enter "9" Operation successful, sounds music automatically 4.7、Z-WAVE Gateway enroll/ unenroll 5.3 Wireless unlocking User operation steps -Door lock status indication Door lock status indication User operation steps  $\triangle$  $\triangle$ Put the Z-wave gateway into  $\sqrt{\phantom{a}}$ Sound "di" once enroll/unenroll mode and Sound music and motor rotate to unlock, press "\*" to close or wait for 5 seconds to close Unlock with phone/ computer/pad enter the programming code  $\Diamond$ Sound "di" for a long time. Enter "0" Operation successful, ≽if the door lock has been registered on other Z-Wave gateway, please unenroll the lock firstly, 6、Reset Door lock status indication User operation steps 5. Door opening and closing instruction. 5.1. User Password Unlocking a. Remove 1pc battery. Sound "di" once, b. Press and hold the reset button then sound "di" c. While holding the reset button, re-install the battery. User operation steps Door lock status indication for a long time d. Until the lock beeps, release the ₹ reset button. Sound music and motor rotate to unlock , press "\*" to close or wait for 5 seconds to close automatically  $\Diamond$ Enter user password Sound "di" once. press "1" Operation successful After reset, all existing user codes and current programming code will be erased. Default Programming Code will be restored, but the enrolling of lock with gateway will not be erased. 13 14 7. Malfunction prevention functions 9, Z-Wave Technical Specification Generic Device Class = GENERIC\_TYPE\_ENTRY\_CONTROL; When 10 failed authentication attempts with unregistered code, the lock will stop operating for 5 minutes. Specific Device Class = SPECIFIC\_TYPE\_SECURE\_KEYPAD\_DOOR\_LOCK; FLIRS setting = APPLICATION\_FREQ\_LISTENING\_MODE\_1000ms; The device is the process of safely enabling Z-Wave, realizing the Z-Wave security layer according to the Z-Wave agreement. The function and supporting instructions are different 8. Low voltage alarm function and battery replacing Method when they are listed into safe or unsafe nodes. 8.1, Low voltage alarm function According to the Z-Wave anti-theft instruction V2 grade, the device can supports the antitheft protection function. When the anti-theft protection enables the Z-Wave agreement, the When battery power is lower than 5.0v (+/-0.2), when unlock the door, there will be order of supporting is only anti-theft CC. alarm. After open the door, light red & flash 3 times and beep 3 times. Orders supported by the device 8.2 Battery Replacing Method √  $\checkmark$ Anti-theft √ Especially for Manufacturer  $\checkmark$ Remove the screws of back panel, and remove the Change the new patteries and nstall the back panel √ 1 versions √ √ √ Application \_ status √ √ √  $\checkmark$ √ Association √ √ 8.3. Mechanical Key √ **√** Battery √ √ Configuration √ Door\_lock Door\_ lock\_ login √ √ √ √ √ Press the button on the front handle. The cylinder cover will be flicked Date\_ parameter  $\checkmark$ √ User\_ codes √ 15 16 COMMAND\_CLASS\_APPLICATION\_STATUS The device responds request order which refused the application program, receiving the invalid orders when the original nodes are identical. COMMAND\_CLASS\_ASSOCIATION This device supports 2 kinds of contract groups, and in each group supporting 2 node maximum values. ID I is used for sending anti–social operation and alarm report. Group ID II is used for sending the order ON and Off of basic device, and the vacation mood means starting and forbidden. 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  $0(0 \times 00)$ , the parameter is always  $1(0 \times 01)$ , the probable value from  $0 \times 00$  to  $0 \times FF$  of parameter is decided by upper application. COMMAND\_CLASS\_DOOR\_LOCK There are 2 various relock modes in the device: automatic relocking mode (fixed cycle operation) and constant unlocking mode (constant operation). The device may configurate 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 relock mode functions. COMMAND\_CLASS\_NODE\_NAMING The device report nodes names will be announced after the ASC II brand name and products version are reset to factory default value. COMMAND\_CLASS\_SCHEDULE\_ENTRY\_LOCK setting order of appendix table input time. Device supports the continuous time of appendix table entering lock. Reset order from 0 to  $168(=7 \times 24)$  maximum lasting time. COMMAND\_CLASS\_USER\_CODE The device user code restores 6 digits. If user code is not 6 digits, it will ignore user code setting order. 17 18 19 20