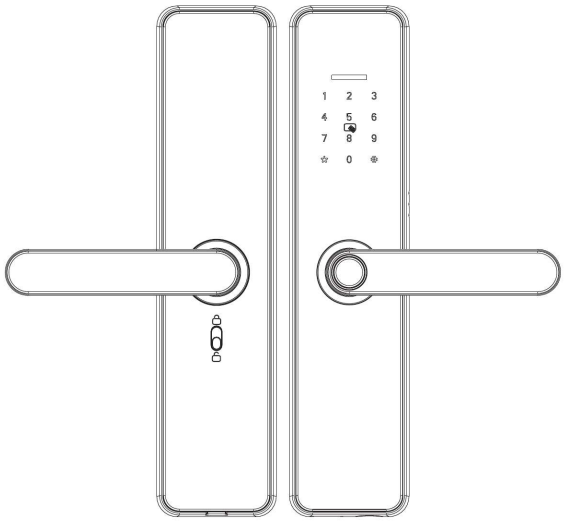
HORUS



USER MANUAL

Smart Lever Mortise Lock

HSC-C91

Installation and operation | Rev. 1.0 | October 2026

About this product

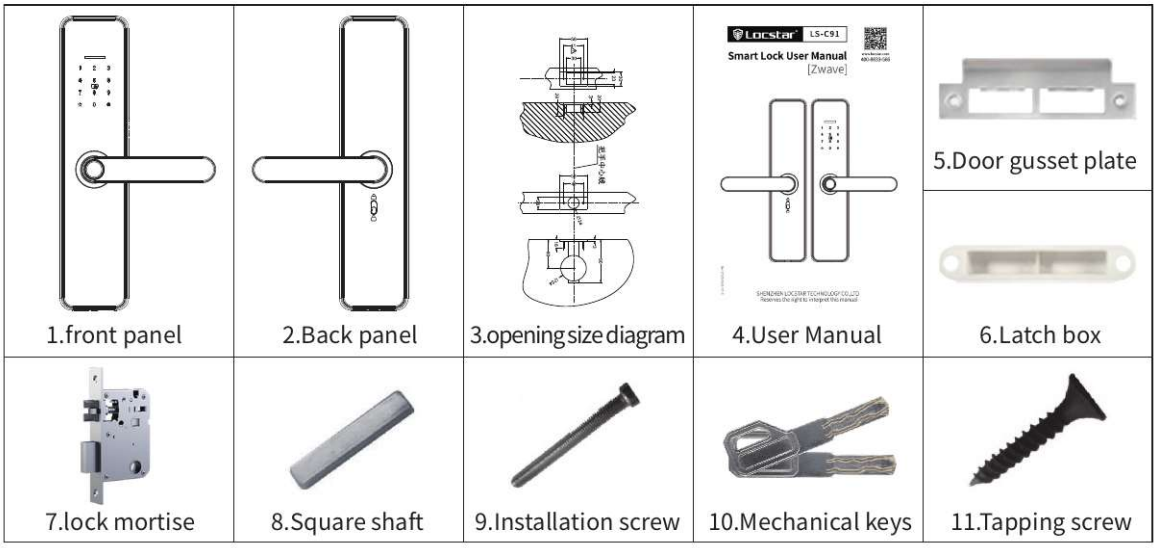
The HSC-C91 is a Z-Wave smart lever lock with a mortise lock body. You can unlock it with a fingerprint, a PIN code, an RFID card, the mechanical key, or a command from the Z-Wave controller.

You can manage users on the keypad or from a Z-Wave controller, such as the Horus Nexxo 800.

Safety instructions

- Do not use too much force when you tighten the screws. You can damage the lock.
- Use the correct screwdriver.
- Wear eye protection when you drill or cut the door.
- Drill the door from both sides to prevent damage. Drill halfway from each side.
- Keep the mechanical keys in a safe place outside the door.

Package contents

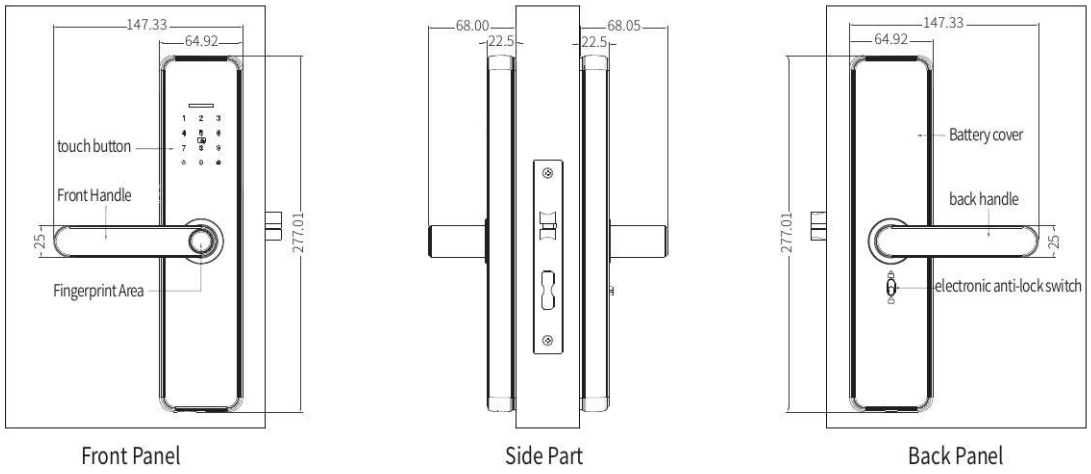


Specifications

Lock type	Lever handle with mortise lock body
Unlock methods	Z-Wave controller or app, PIN code, fingerprint, RFID card, mechanical key
Keypad	Touch keypad with voice prompts (English, Spanish, Chinese)
Fingerprint capacity	up to 100. 500 dpi sensor. FRR 0.15 % or less, FAR 0.00004 % or less
PIN code capacity	Up to 300
RFID card capacity	Up to 300
Power supply	4 x AAA alkaline batteries (4.5 to 6.5 V). Low-battery alarm below 4.9 V
Emergency power	micro USB port (5 V power bank)
Current	Static below 55 µA. Operating below 250 mA
Wireless protocol	Z-Wave, US frequency **TBC: 908.42 MHz**

Operating environment	14 to 140 °F (-10 to 60 °C), 20 to 93 % RH
Door thickness	1-3/4 to 4-3/4 in (45 to 120 mm). Thicker doors need custom parts
Door edge	110 mm (4-5/16 in) or more from the lock center to the door edge
Front panel	65 x 277 mm (2.6 x 10.9 in)

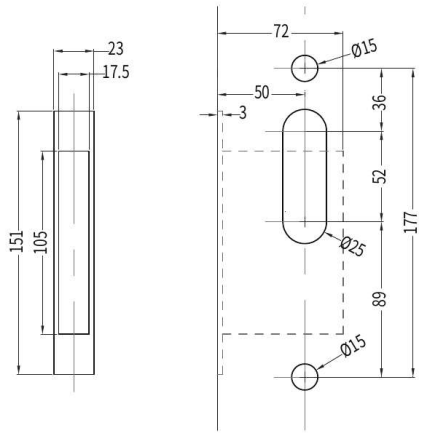
Dimensions



Door requirements

- Door thickness: 45 to 120 mm (1-3/4 to 4-3/4 in). Thicker doors need custom parts.
- Distance from the lock center to the door edge: 110 mm (4-5/16 in) or more.
- Tools: drill, pencil, tape measure, hammer, drill bits, hacksaw, square, screwdriver, cutter, chisel.

Door preparation (reference only)



Installation

1. Draw a horizontal center line 1 m (39 in) from the floor on both sides of the door.

2. Fold the template in half. Align the handle center line of the template with the line on the door. Mark the holes on the face and the edge of the door.
3. Drill and cut the holes per the template.
4. Install the mortise lock body in the door edge. Attach it with two M5 x 20 mm screws.
5. Install the hollow stud and the square shaft on the front panel. Align the shaft with the square hole in the mortise lock body. Install the front panel on the outside of the door.
6. Put the front panel cable through the back mounting plate. Connect the front and back cables.
7. Attach the back plate to the door. Attach the front and back panels together with the two panel screws.
8. Install the batteries with the correct polarity. Install the rear cover.
9. Close the door. Mark the latch position on the door frame. Cut the frame. Install the latch box and the strike plate with two M5 x 20 mm screws.
10. Close the door. Make sure that the latch extends fully.
11. Turn both handles. Make sure that they move freely.
12. Open the key hole cover. Insert the mechanical key and turn it clockwise. Push the handle. Make sure that the door opens.
13. Set up the lock (refer to the next sections) and test all unlock methods.

Change the handle direction

1. Put a screwdriver through the round hole that the arrow on the plate shows. Loosen the reversing screw. Lift the handle slightly to reach the screw.
2. Turn the handle 180° for a left-hand or right-hand door.
3. Tighten the reversing screw.

CAUTION
Do not remove the screws in the handle hole. The warranty does not cover damage from this disassembly.

Change the latch direction

1. Pull the latch reversing pick to the other end.
2. Push the latch into the lock body and turn it 180°.

CAUTION
Do not remove the side plate of the lock body.

Set up the lock

Change the administrator code

CAUTION
The factory administrator code is 123456. Change it before you use the lock.

1. Touch the keypad to wake up the lock.
2. Push * then #. The lock asks you to verify the administrator.
3. Enter 123456, then push #.
4. Enter the new code (6 to 8 digits), then push #.
5. Enter the new code again, then push #. The lock confirms the change.

To change the administrator code later: open the menu, then push 9.

Open the menu

Touch the keypad to wake up the lock. Push * then #. Enter the administrator code, then push #. Push # to repeat the voice prompt. Push * to clear an entry or go back. The menu closes after 20 seconds without input.

Key	Menu	Options
1	Add user	Enter the fingerprint, PIN code, or card to add
2	Delete user	Enter the user number, then push # to confirm or * to cancel
3	User settings	1: Volume up or down. 2: Time (YYMMDDHHmm#). 3: Language (Chinese, English, or Spanish). 4: Function settings (1: Always-open mode on/off. 2: Two-factor authentication on/off. 3: Silent mode on/off). 5: Restore factory settings
4	Information	1: User statistics. 2: Unlock records (2 = previous, 8 = next)
9	Change administrator code	Hidden option
0	Z-Wave network mode	Hidden option. Use to add or remove the lock

Add the lock to a Z-Wave network

1. Set the Z-Wave controller (for example, the Horus Nexxo 800) to inclusion (add) mode.
2. On the lock, open the menu (* #, administrator code, #).
3. Push 0. The lock enters network mode.
4. If the controller asks for a PIN, enter the 5-digit device code (DSK).
5. Wait for the controller to confirm the new lock.

To remove the lock, set the controller to exclusion (remove) mode, then do steps 2 and 3.

Control from the controller

- Lock and unlock the door. After a remote unlock, the lock stays open until it locks again.
- Add and delete PIN codes.
- Set a validity period for a PIN code, if the controller supports it.

Daily use

- Unlock with a fingerprint, PIN code, card, the mechanical key, or the controller.
- Anti-peep code entry: you can enter extra digits before and after the code (XXX code XXX), then push #.
- If someone enters a wrong code 5 times in 5 minutes, the keypad locks for 90 seconds. The administrator can unlock it with the setting key on the rear panel.
- Electronic anti-lock: push the switch on the inside panel up to lock. Push it down to unlock.

Batteries

- When the voltage is below 4.9 V, the lock gives a voice alarm each time it opens. The lock opens 200 more times. Then electronic unlocking stops. Replace all batteries.
- Replace all 4 AAA batteries at the same time. Make sure the polarity is correct. Install the battery cover.
- If the batteries are empty, connect a 5 V power bank to the micro USB port on the front panel. Then unlock the door normally, or use the mechanical key.

Restore factory settings

Push and hold the reset button on the rear panel for 10 seconds. The lock confirms with voice and light. All fingerprints, codes, and cards are erased. The unlock records stay. The administrator code returns to 123456.

You can also restore factory settings from the menu: 3, then 5, then #.

Regulatory information

FCC ID: [TBC: confirm FCC ID printed on the product label]

FCC Part 15.19 statement

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.

FCC Part 15.21 statement

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

FCC Part 15.105(b) statement

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.

Limited warranty

Horus Automation warrants this product to be free from defects in material and workmanship under normal and proper use for one (1) year from the date of original purchase. During this period, Horus Automation will repair or replace, at its option, any part that is defective because of materials or workmanship.

This limited warranty does not cover damage that results from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, or unauthorized disassembly, repair, or modification.

This limited warranty does not apply if: (i) the product was not used in accordance with these instructions, (ii) the product was not used for its intended function, (iii) the identification label was altered, obliterated, or removed, or (iv) the product was sold second-hand.

Support

For installation and technical support, contact your authorized Horus distributor or dealer.

Web: www.horusautomation.com | Email: sales@horusautomation.com

Specifications can change without notice.