HORUS



USER MANUAL

Smart Deadbolt Lock

HSC-C87a

Installation and operation | Rev. 1.0 | October 2026

About this product

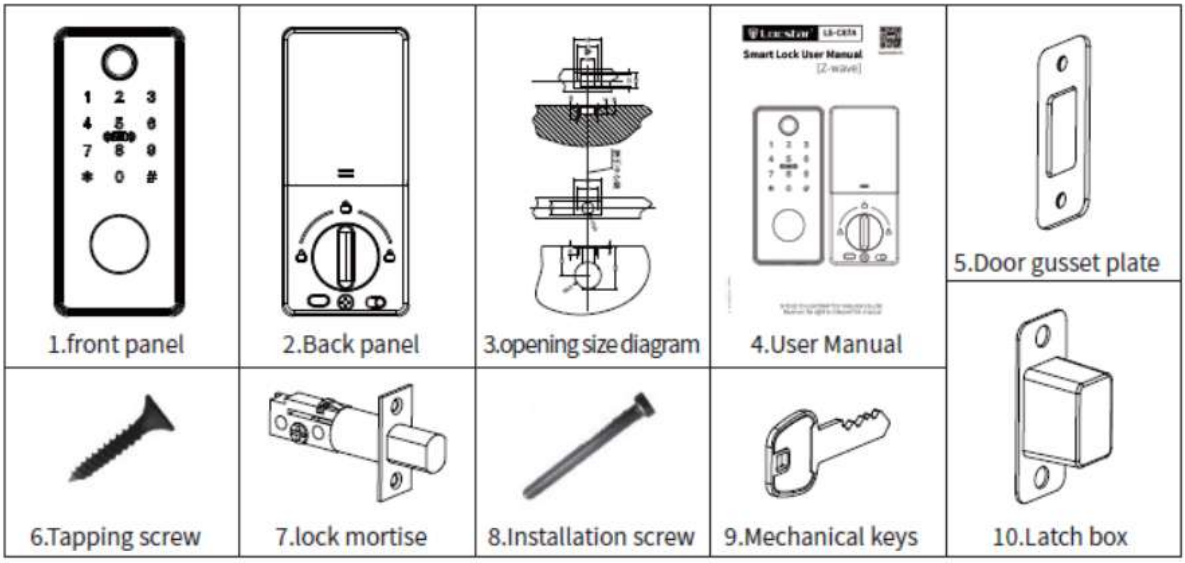
The HSC-C87a is a Z-Wave smart deadbolt lock. You can unlock it with a fingerprint, a PIN code, an RFID card, the mechanical key, or a command from the Z-Wave controller.

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 half way from each side.
- Keep the mechanical keys in a safe place outside the door.

Package contents

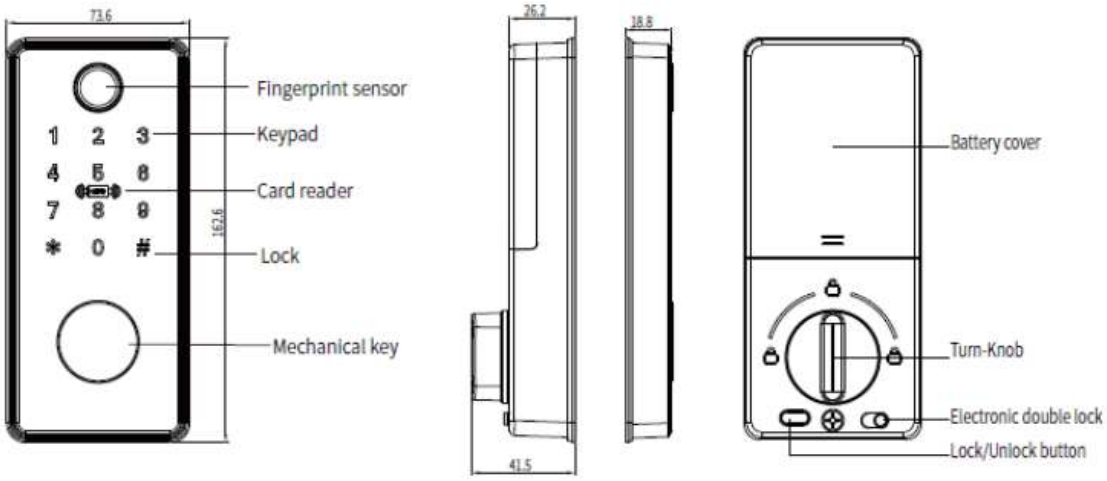


Specifications

Lock type	Electronic deadbolt with turn-knob on the inside
Unlock methods	Z-Wave controller or app, PIN code, fingerprint, RFID card, mechanical key
Keypad	Capacitive touch keypad with voice prompts
Fingerprint capacity	Up to 100 (semiconductor sensor). FAR below 0.001 %, FRR below 1.0 %
PIN code and card capacity	256 total, plus 1 administrator code
Power supply	4 x AA batteries (4.5 to 6 V). Low-battery alarm at 4.8 V
Emergency power	USB Type-C port (5 V power bank)
Current	Standby 65 µA or less. Operating below 200 mA
Unlock time	Approximately 1.5 s
Wireless protocol	Z-Wave, 908.42 MHz (US)

Operating temperature	-4 to 158 °F (-20 to 70 °C)
Door thickness	1-3/4 to 4-3/4 in (45 to 120 mm). Thicker doors need custom parts
Backset	2-3/8 or 2-3/4 in (60 or 70 mm), adjustable
Door edge	110 mm (4-5/16 in) or more from the lock center to the door edge
Front panel	73.6 x 162.6 mm (2.9 x 6.4 in)

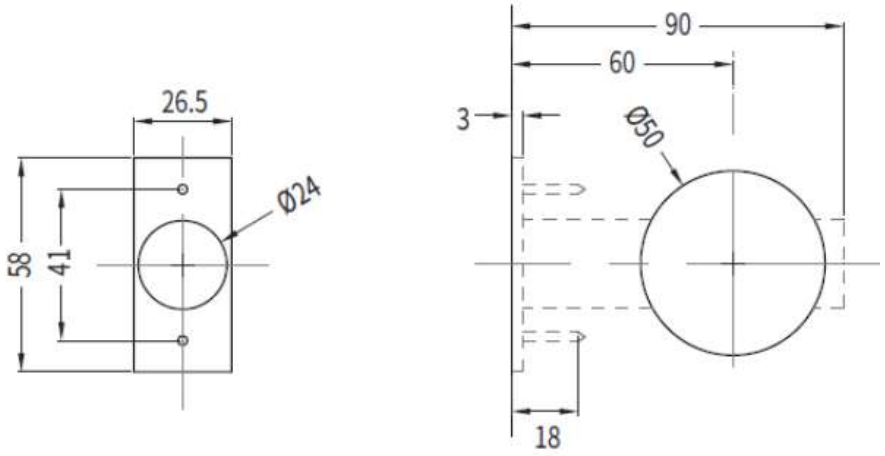
Dimensions



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. Remove the old lock from the door.
2. If necessary, adjust the deadbolt backset. Turn and pull the bolt to select 60 mm (2-3/8 in) or 70 mm (2-3/4 in).
3. Install the deadbolt in the door. The bolt must be retracted (unlocked) and the "TOP" mark must point up.
4. Hold the front panel against the outside of the door. Put the cable through the door hole. The bolt must be retracted and the key piece must be vertical.
5. Put the front panel cable through the hole in the rear mounting plate. Attach the front panel to the mounting plate with 4 screws.
6. Connect the front panel cable to the back panel. Push the connector fully in.
7. Attach the back panel with 3 M4 x 16 mm screws. Make sure that the turn-knob is vertical.
8. Turn the knob by hand to make sure it moves freely.
9. Install the batteries with the correct polarity. Install the battery cover.
10. Install the strike box and the strike plate on the door frame.
11. When power is on, the lock detects the door direction automatically.
12. Push the lock/unlock button to make sure that the direction is correct.

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 or English). 4: Function settings (1: Two-factor authentication on/off. 2: Silent mode on/off). 5: Restore factory settings
4	Information	1: User statistics. 2: Unlock records (2 = previous, 8 = next)
5	Motor settings	1: Door direction (left or right). 2: Automatic locking on or off
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 #.
- Electronic double lock: push the button on the back panel to the left. Only the administrator or the mechanical key can then open the door. Push it to the right for normal operation.

Batteries

- When the batteries are low, the lock says "The battery is low, please replace the battery" when you unlock it.
- Replace all 4 AA 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 USB Type-C 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 until you hear a beep. All fingerprints, codes, and cards are erased. 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.