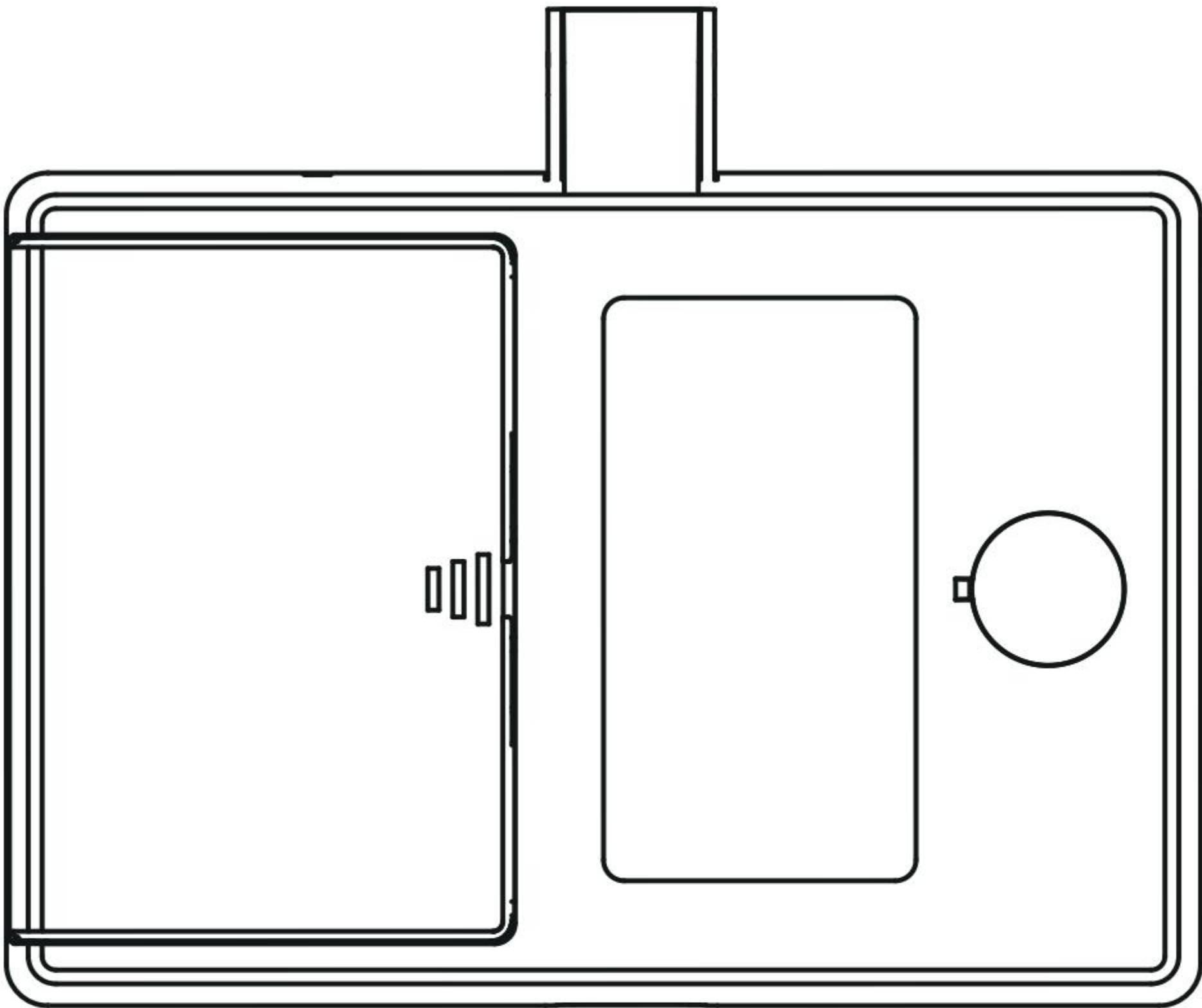
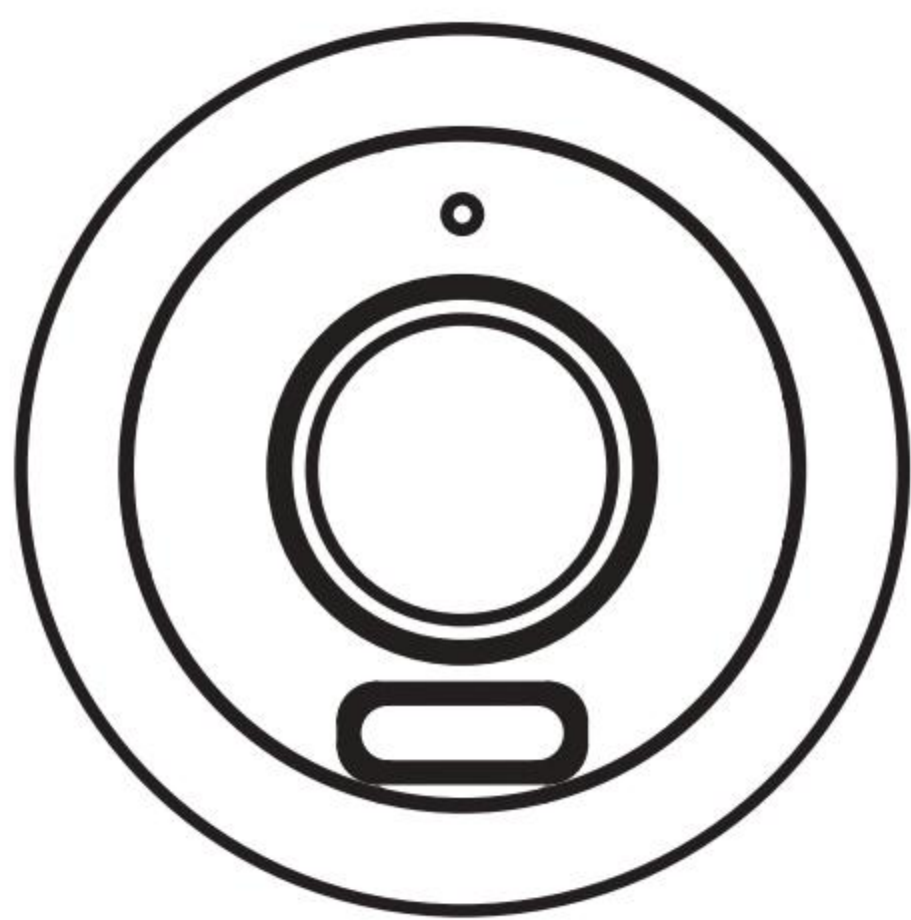
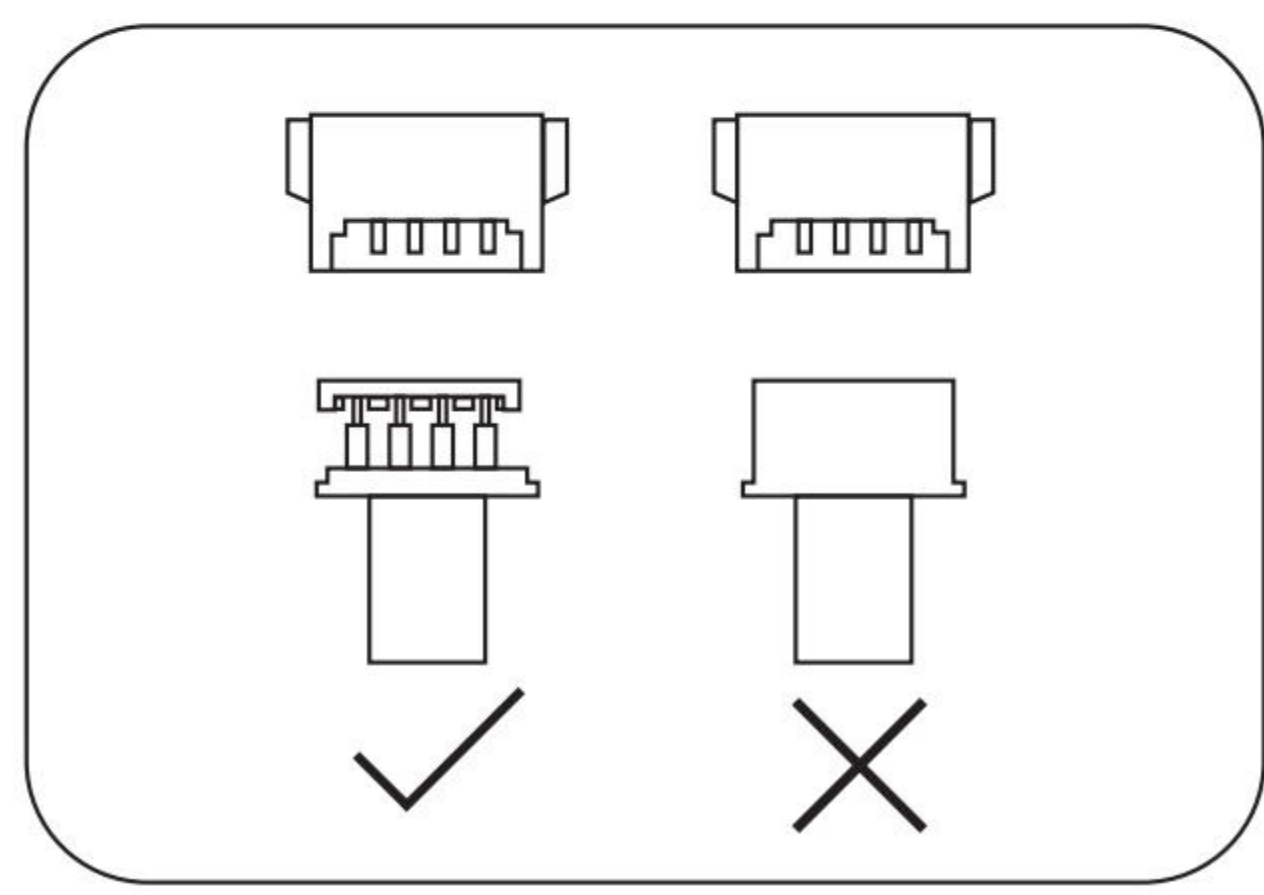
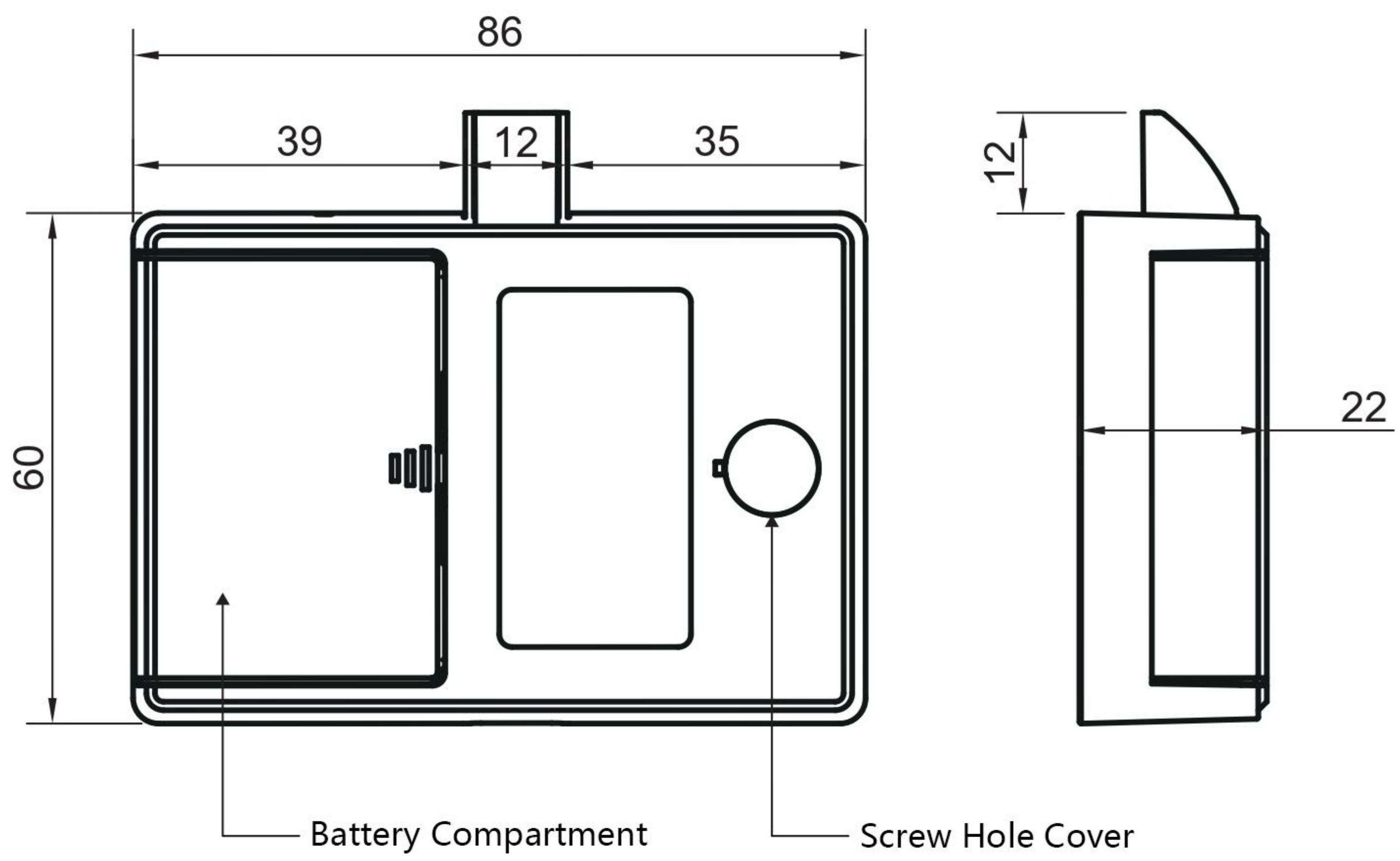
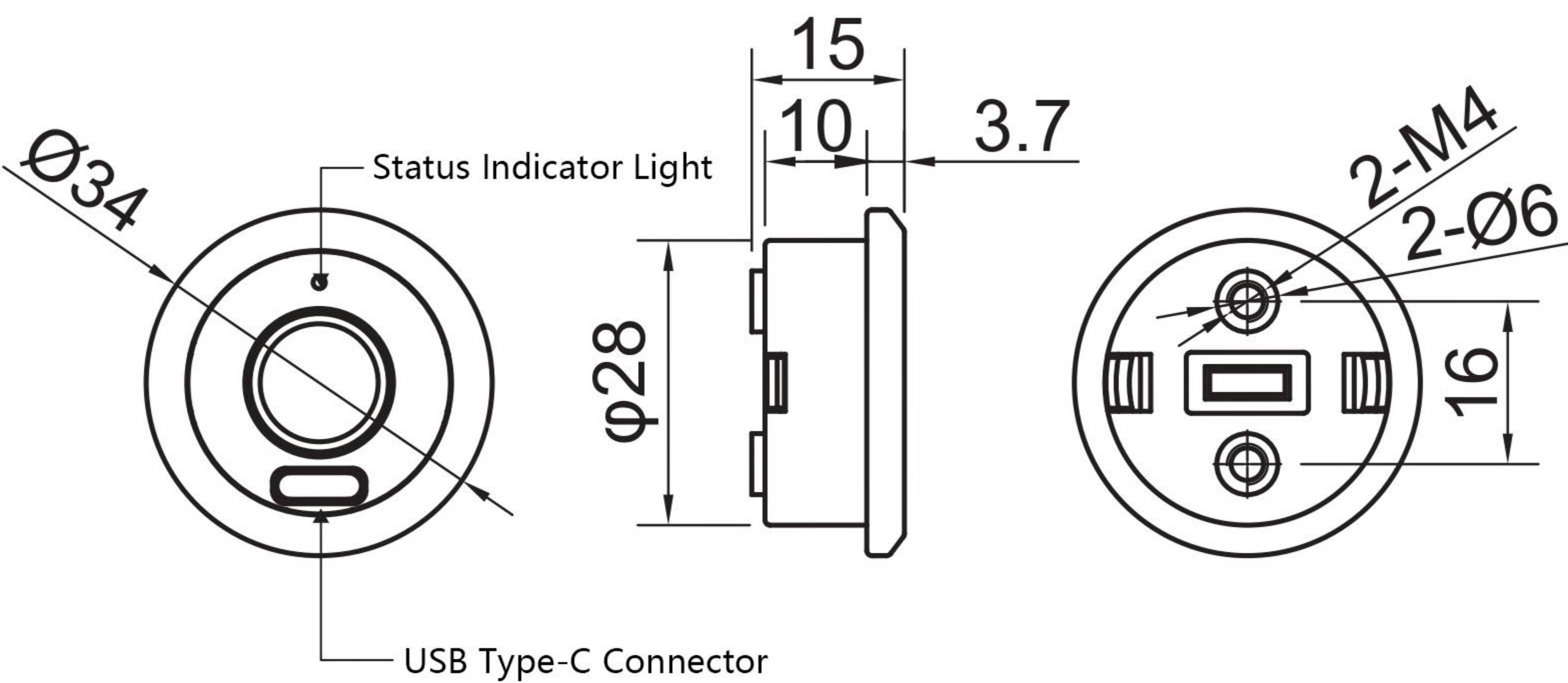


FINGERPRINT FURNITURE LOCK USER MANUAL



I. DIAGRAM OF THE PANEL LOCK BOX



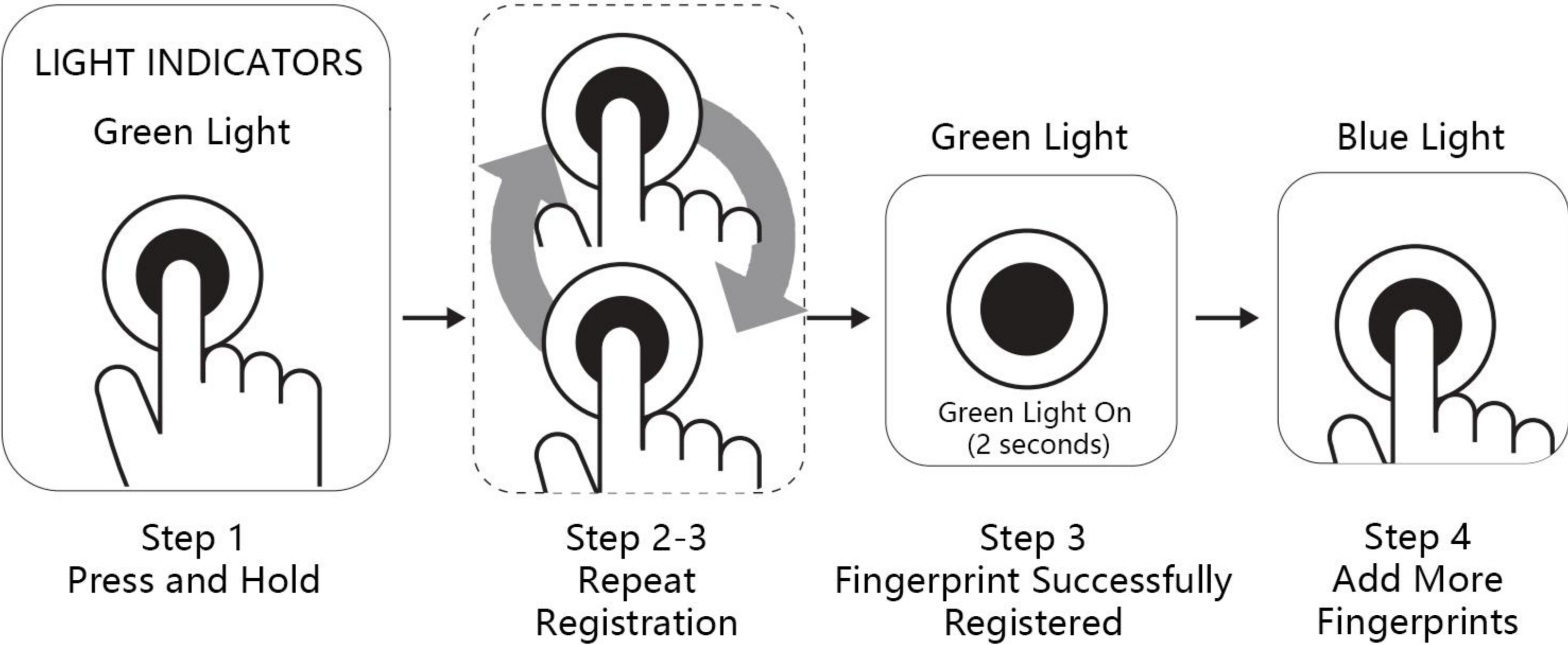
II. OPERATING INSTRUCTIONS

1. Unlocking

- (1) In the initial state, any fingerprint can unlock the device.
- (2) After fingerprints are registered, only registered fingerprints can unlock the device.
The device will automatically relock 4 seconds after unlocking.

2. Fingerprint Registration Method

- (1) Place your finger on the sensor and remove it when the green light lights up for the third time.
- (2) When the blue light is on, press the sensor with the fingerprint to be registered. Remove your finger after the green light flashes once.
- (3) Repeat the action above until the green light stays on for 2 seconds (indicating successful fingerprint registration).
- (4) After the green light stays on for 2 seconds and turns off, the blue light will come on again, allowing registration of the next fingerprint. If no further fingerprints need to be registered, simply wait for the indicator light to turn off.



Important Notes

- (1) If 10 fingerprints have already been registered, all existing fingerprints must be cleared before registering new ones.
- (2) It is recommended to register at least 3 fingerprints to avoid failure in unlocking.
- (3) After prolonged use, if fingerprint recognition becomes less responsive, performance can be improved by re-registering the fingerprints.

4. System Initialization

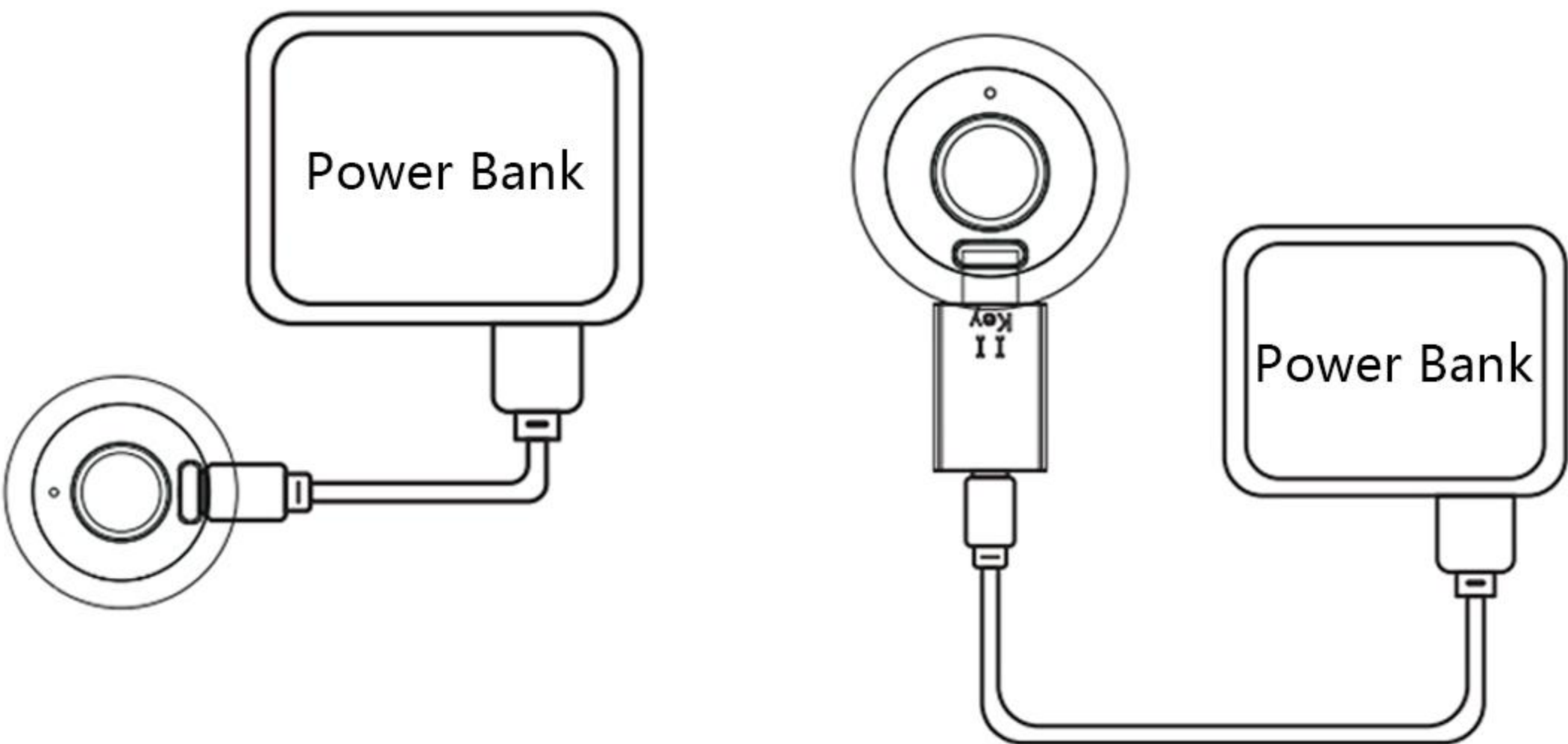
- (1) Method 1: Press and hold the sensor with a registered fingerprint until the red light flashes, indicating initialization is complete.
- (2) Method 2: Insert the electronic key, then press and hold the sensor until the red light flashes, indicating initialization is complete.

5. Low Battery Alert

During unlocking, if the green light flashes followed by three red flashes, this indicates low voltage and the battery should be replaced as soon as possible.
Note: Use alkaline batteries only. Do not use carbon-zinc batteries.

6. Emergency Power Supply

- (1) If the battery power is insufficient for unlocking, an external power source such as a power bank or phone charger can be used.
- (2) If the battery is completely depleted and pressing the fingerprint sensor shows a red light without unlocking, first connect the external power supply to the electronic key, then insert it into the panel to unlock.

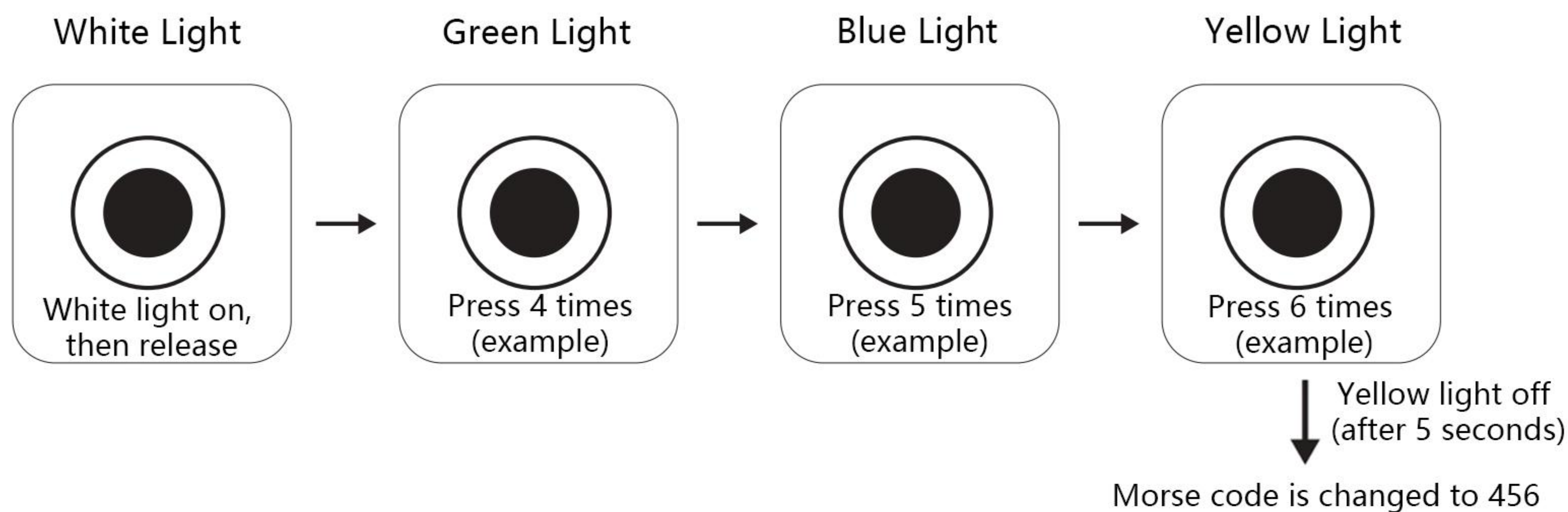


Other Features

1. Emergency Morse Code Setting (Optional Feature)

Setup Procedure (Example: setting "456" as the Morse code password):

- Press and hold the fingerprint sensor with a registered finger until the white light flashes, then release. (If the white light does not appear during this operation, the lock does not support the Morse code function.)
- When the green light turns on, press the fingerprint sensor 4 times, then remove your finger.
- Wait for the blue light to turn on, then press the fingerprint sensor 5 times, and remove your finger.
- Wait for the yellow light to turn on, then press the fingerprint sensor 6 times, and remove your finger.
- After waiting for 5 seconds, the yellow light will turn off, indicating that the setup is complete.



Note:

- (1) The Morse code can only be set after fingerprints are registered. The Morse code only supports a 3-digit length (setting range: 000, 001 ... 999; "0" requires 10 presses, "1" requires 1 press, and so on...).
- (2) The default Morse code is 123.

2. Deleting Fingerprints Using Morse Code (Optional Feature)

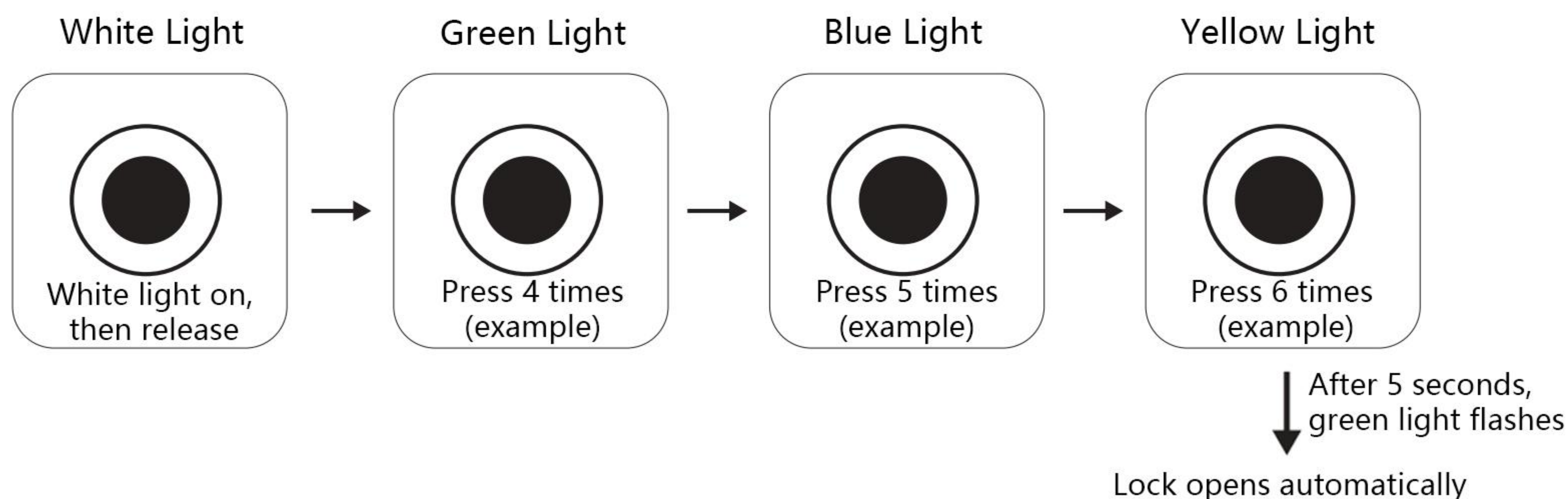
Procedure (Example: Using the set Morse code "456"):

If fingerprint unlocking fails, press and hold any fingerprint on the sensor until the white light flashes, then release. (If the white light does not appear, the lock does not support the Morse code function.)

- Green light on → Press the fingerprint sensor 4 times, then remove your finger.
- Wait for blue light on → Press the fingerprint sensor 5 times, then remove your finger.
- Wait for yellow light on → Press the fingerprint sensor 6 times, then remove your finger.

After waiting 5 seconds:

- If the green light flashes, the lock will open automatically.
- If the red light flashes, it indicates an incorrect password.



Note: This operation will delete fingerprints but will not reset the Morse code.

8. Technical Specifications

1	Power Supply	3×AAA alkaline batteries (1-year life at 20 uses/day)
2	Emergency Power	Power bank or phone charger via Type-C port
3	Standby Current	I < 15 μA
4	Operating Current	Unlock/Lock current < 150 mA (400 ms)
5	Fingerprint Capacity	20 fingerprints
6	Operating Temperature	−5°C to +50°C
7	Operating Humidity	20% to 80% RH
8	Main Structure Material	Zinc alloy
9	Mechanical Life	> 100,000 lock/unlock cycles

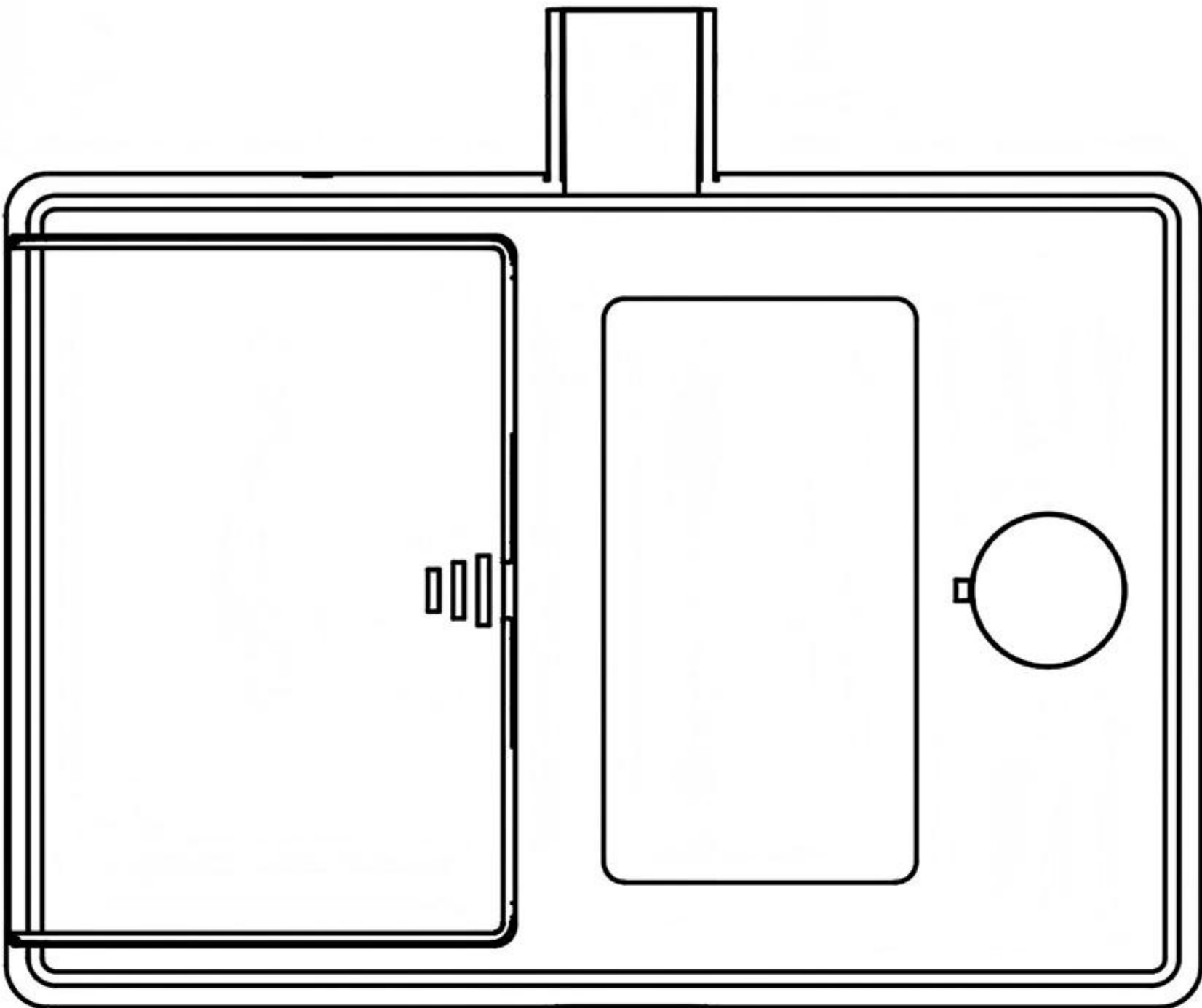
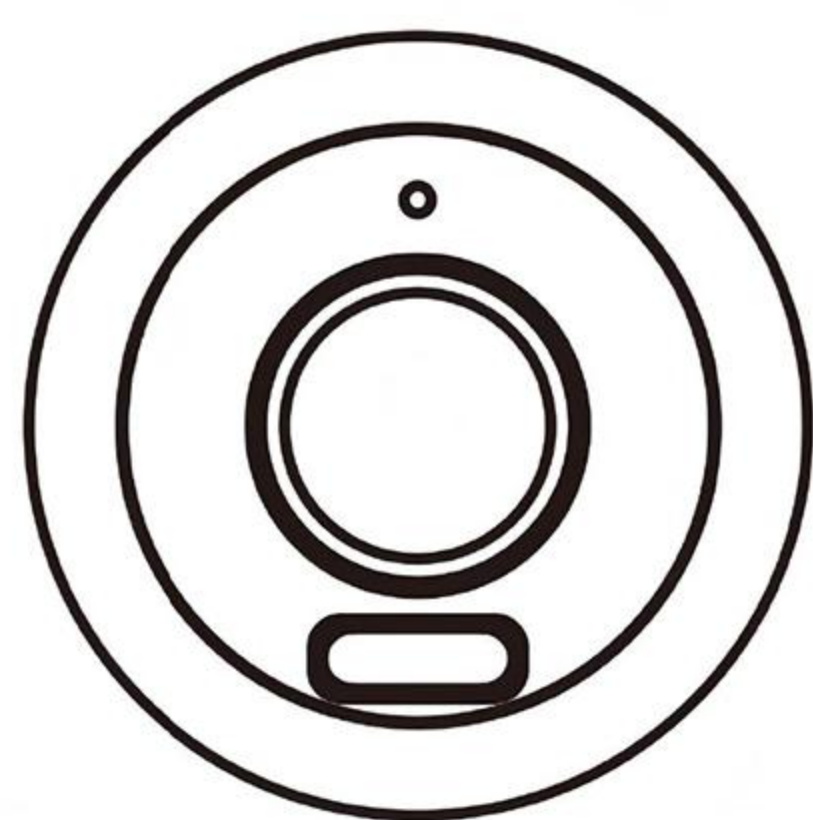
9. Light Indicator Guide

No.	Name	Light Indicator	Meaning
1	Unlock	Green light on	Correct fingerprint, lock opened
		Red light flashes once	Incorrect fingerprint
		Red light flashes three times	Low battery
2	Lock	Green light on	Locked successfully
3	Fingerprint Registration	Unlock: Green flashes 3 times, then blue.	Enter registration mode
		Blue light flashes once	Single fingerprint read successfully
		Green light stays on for 2 seconds	Fingerprint registered successfully
		Red light on	Fingerprint registration failed or fingerprint storage is full
4	Initialization	Red light flashes	Remove finger, initialization successful
5	Electronic Key Usage	Green light on	Unlock successful
		Red light flashes once	USB key not bound, unlock failed
		Red light flashes continuously	Remove finger, initialization successful

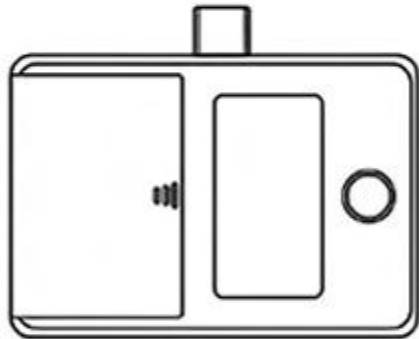
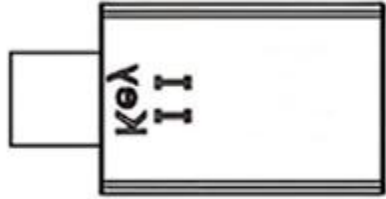
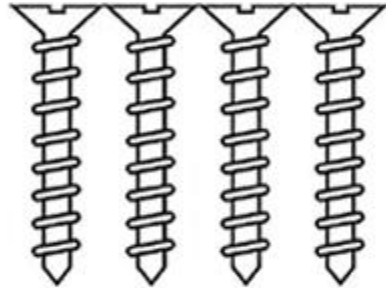
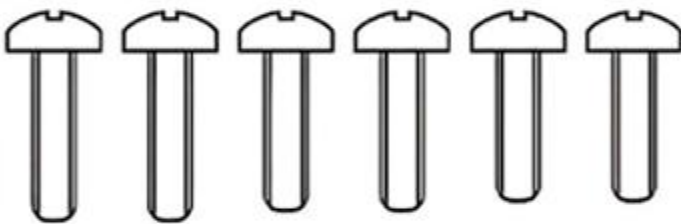
10. Troubleshooting

No.	Fault Symptoms	Possible Causes	Troubleshooting Steps
1	No response from the panel	Battery drained	Use a power bank for emergency power, unlock the device, and then reinstall the batteries.
2	Green light on panel, deadbolt does not move, no motor sound heard	1. Loose connection between the panel and lock box wiring 2. Damaged wiring due to pinching during installation	1. Reconnect the wiring cable. Check if the wiring cable has been 2. pinched and severed.
3	Green light on panel, motor sound heard but deadbolt does not move	Misalignment between deadbolt and strike plate causing excessive friction and hindering smooth operation	Push the door panel inward, then attempt fingerprint unlocking. After unlocking, adjust the installation position of the strike plate.
4	Red light always displayed when attempting to unlock	1. Fingerprint verification failed 2. Low battery power	1. Clean the finger, e.g., wipe it with alcohol to ensure cleanliness. 2. Use a power bank to power the device, unlock it, and then replace with new batteries.
5	Fingerprint registration failed	Fingerprint texture too faint or contact area too small during registration	1. It is recommended to register fingerprints using fingers with clearer texture, such as the thumb, index, or middle finger. 2. Before registration, ensure finger cleanliness to improve success rate. 3. During registration, press with a larger contact area to capture sufficient fingerprint data.
6	Blue or red light turns on unexpectedly when no operation is performed	1. Short circuit due to damaged wire insulation 2. Critically low battery	1. Check whether the wiring between the panel and the lock box is intact, without exposed or short-circuited parts. 2. Replace with new alkaline batteries.
7	Fingerprint unlocking becomes unresponsive after prolonged use	Dry, sweaty, or peeling fingers affecting recognition sensitivity	1. Clean the finger, e.g., wipe it with alcohol to ensure cleanliness. 2. Use the USB key to restore factory settings, then register multiple fingerprints.
8	Electronic key can unlock but red light is displayed	1. Electronic key not bound 2. Poor contact with electronic key connector	1. Bind the electronic key. 2. Reinsert the electronic key and press it firmly to ensure good contact.
9	No response after battery replacement	1. Batteries installed incorrectly 2. Batteries depleted	1. Use a power bank for emergency power, unlock the device, and reinstall the batteries. 2. Replace with new alkaline batteries.

FINGERPRINT FURNITURE LOCK INSTALLATION INSTRUCTIONS

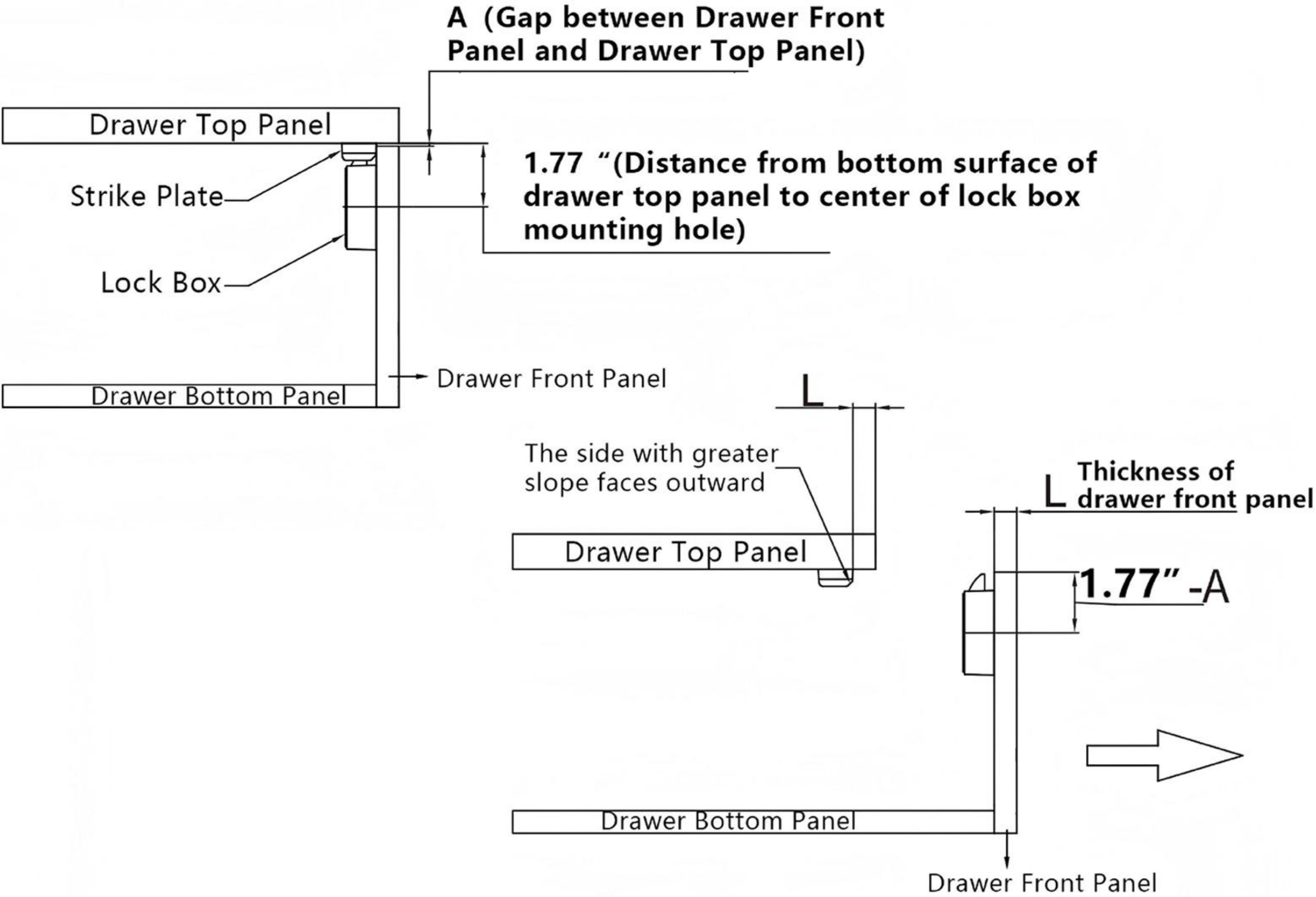


I. PACKING LIST

1		Panel*1
2		Lock Body*1
3		Electronic Key*1
4		Strike Plate*1
5		Fixing Plate*1
6		Lock Body Screw Cover*1
7		Cross Recessed Countersunk Head Wood Screws (for locking lock box & strike plate)(3.5*18) *4
8		Cross Recessed Pan Head Screws (for locking panel), (M4*6) *2 , (M4*8) *2 , (M4*10)* 2
9	Hole Position Diagram	

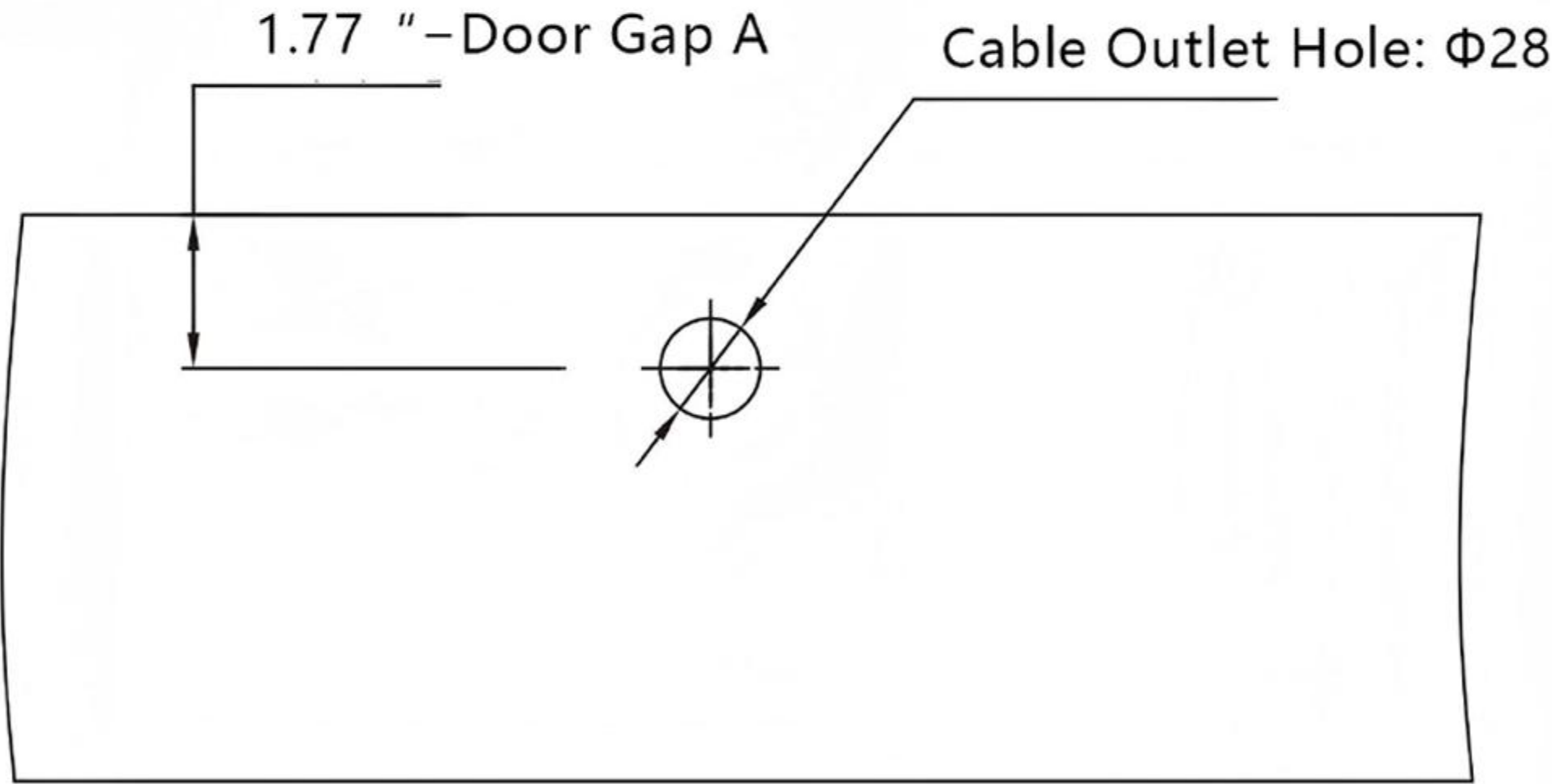
II. INSTALLATION GUIDE FOR DRAWER CABINET

2.1 Positioning Dimension Drawing of Lock Box & Strike Plate



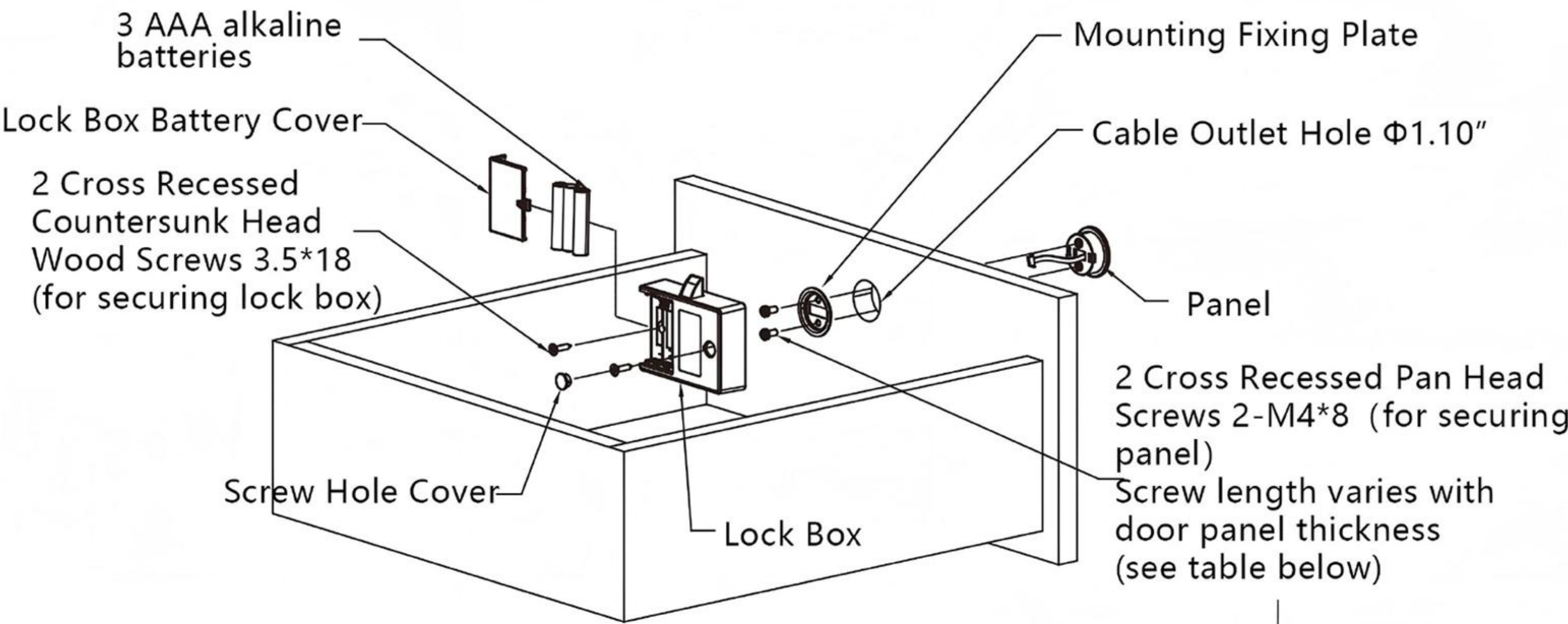
2.2 Hole Drilling Drawing for Drawer Front Panel

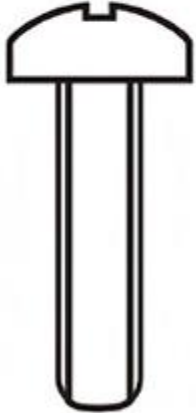
At the center of the drawer front panel, 1.77" from the bottom surface of the drawer top panel, drill a $\Phi 1.10$ " mm round hole



2.3 Installing the Panel and Lock Box

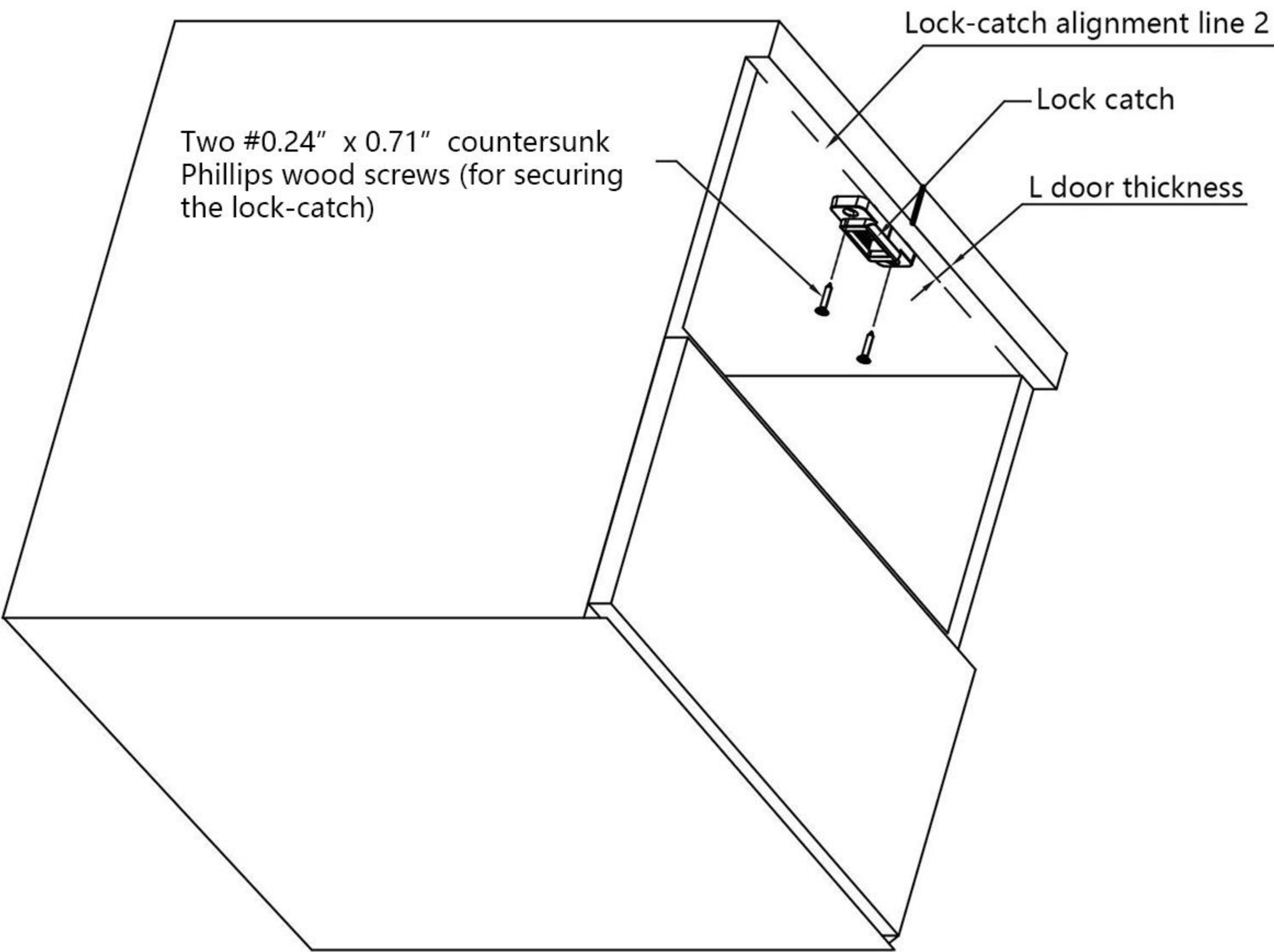
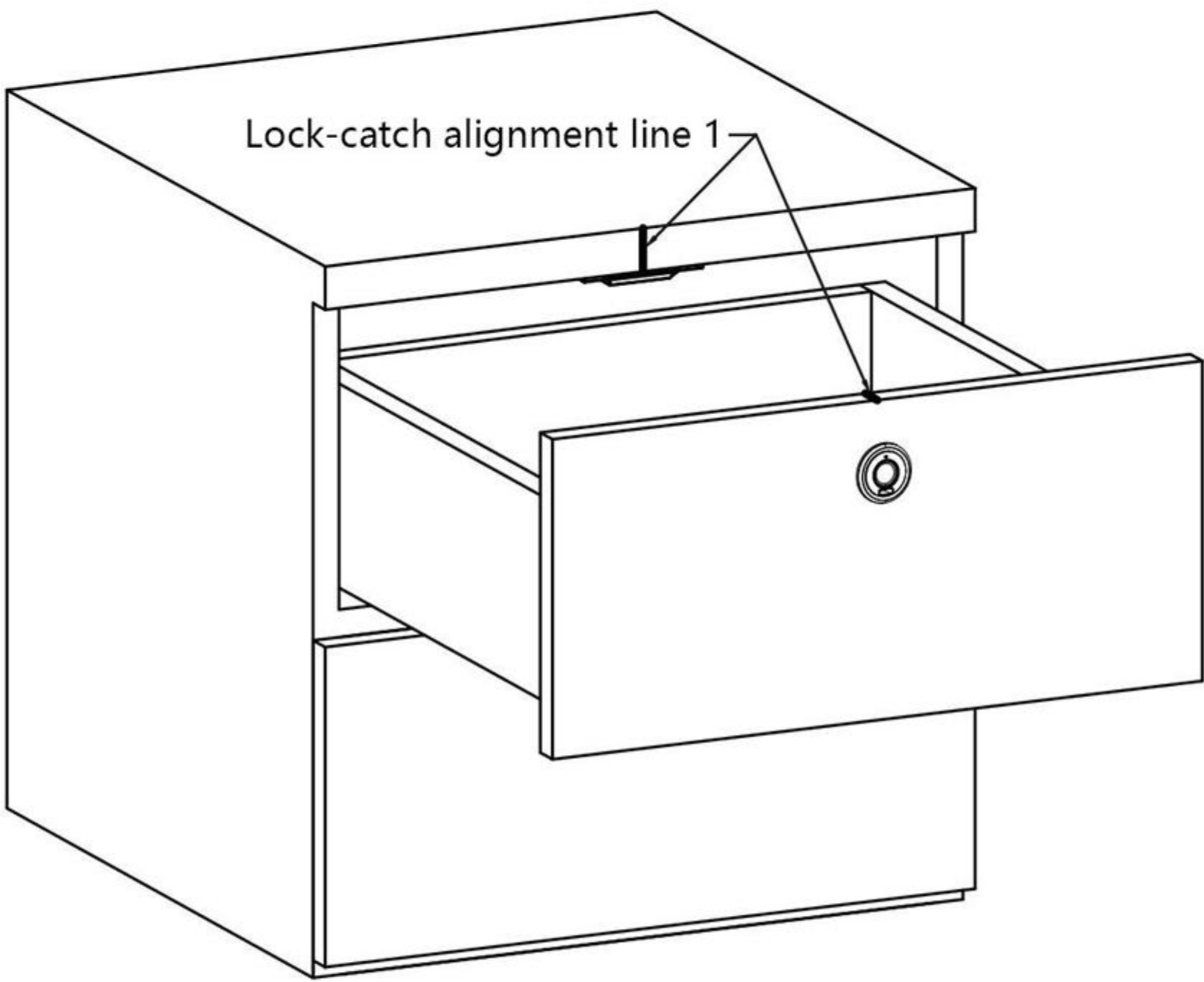
- 1.Pass one end of the connecting cable through the central circular hole. First, use two cross recessed pan head screws (M4*8) through the mounting fixing plate to secure the panel to the door panel.
- 2.Connect one end of the connecting cable to the lock box, arrange the cable to avoid being crushed, and secure the lock box to the door panel with two cross recessed countersunk head wood screws (3.5*18).
- 3.Cover the screw holes of the lock box with the screw hole covers; finally, install 3 AAA alkaline batteries and close the battery compartment cover.



Panel Fixing	Screws Provided	Door Panel Thickness
	(M4*6)*2	For 0.55" ~0.63" mm door panels
	(M4*8)*2	For 0.63" ~0.71" mm door panels
	(M4*10)*2	For 0.71" ~0.79" mm door panels

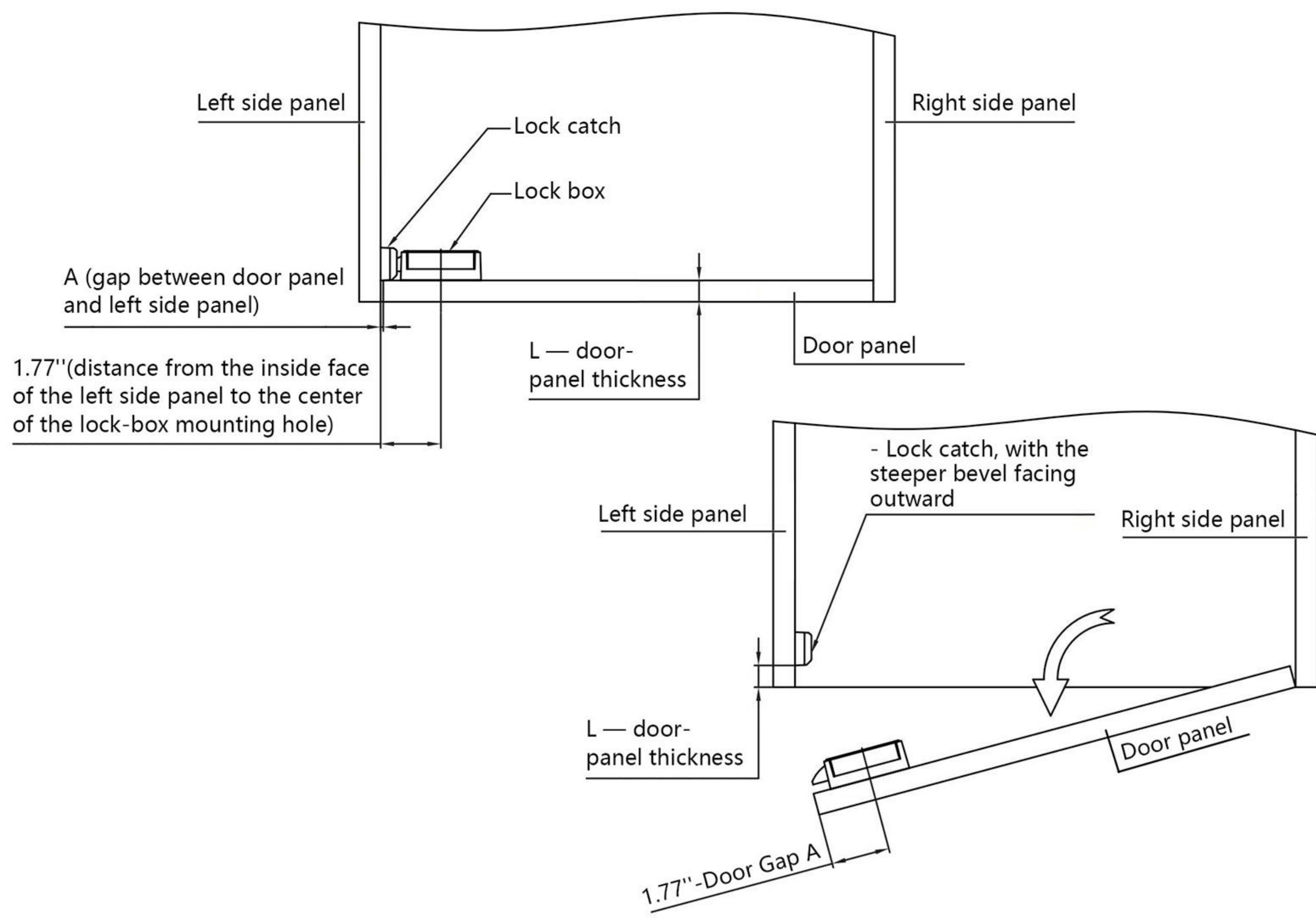
2.4 Install latch

- (1) On the inside face of the drawer top panel, draw alignment line 1 directly above the center of the latch bolt; center the lock-catch on this line to fix its lateral position.
- (2) Next, draw alignment line 2 at distance L from the end edge of the drawer- top panel (L = door thickness). Position the lock-catch so the bottom of its large-bevel side coincides with line 2 to set its longitudinal location (see lock-box & catch positioning diagram for details).
- (3) Finally, fasten the lock-catch box with two countersunk cross-head woodscrews 0.14" x 0.71"



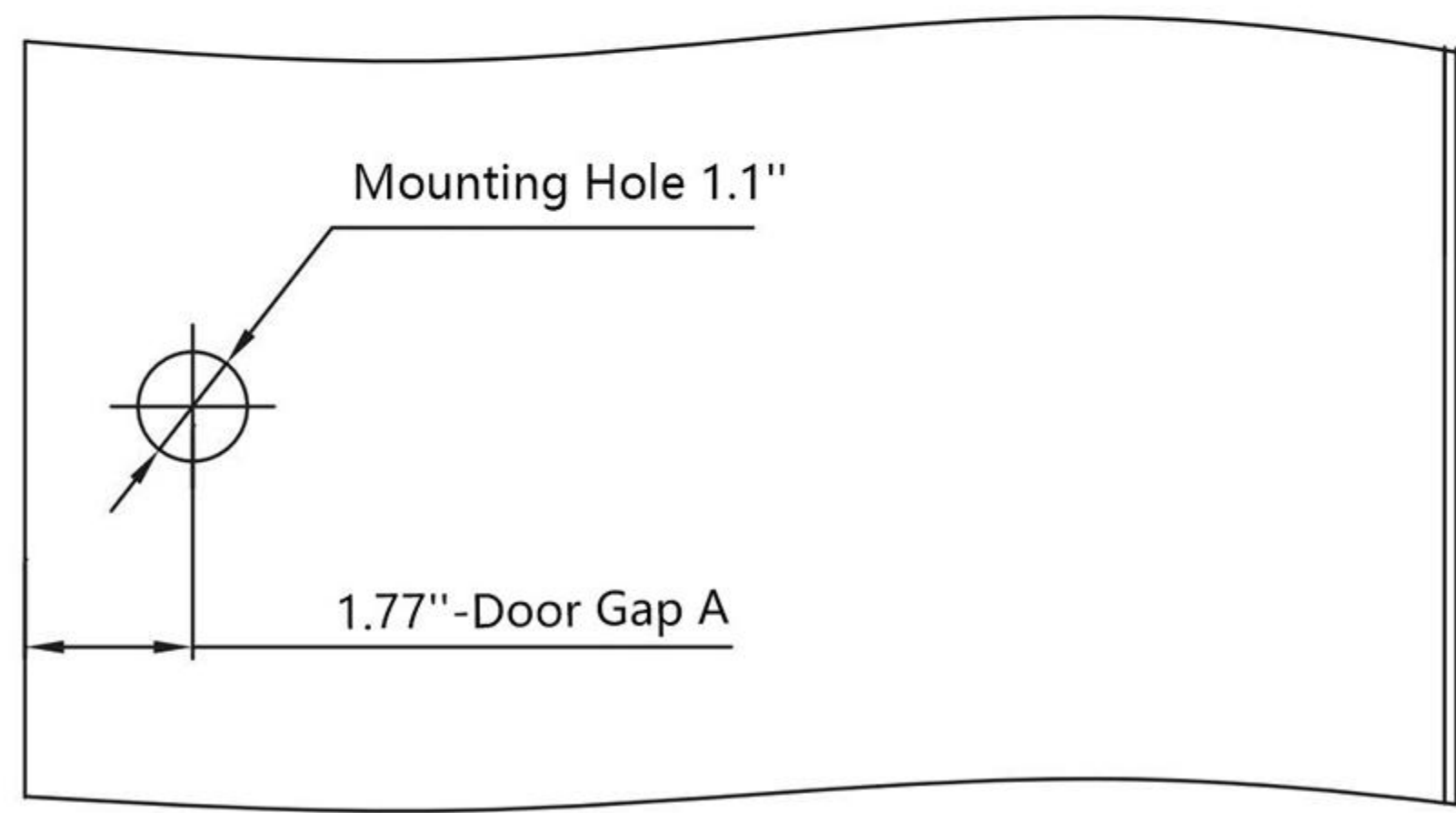
III. CABINET INSTALLATION GUIDE

3.1 Lock-box & catch positioning diagram



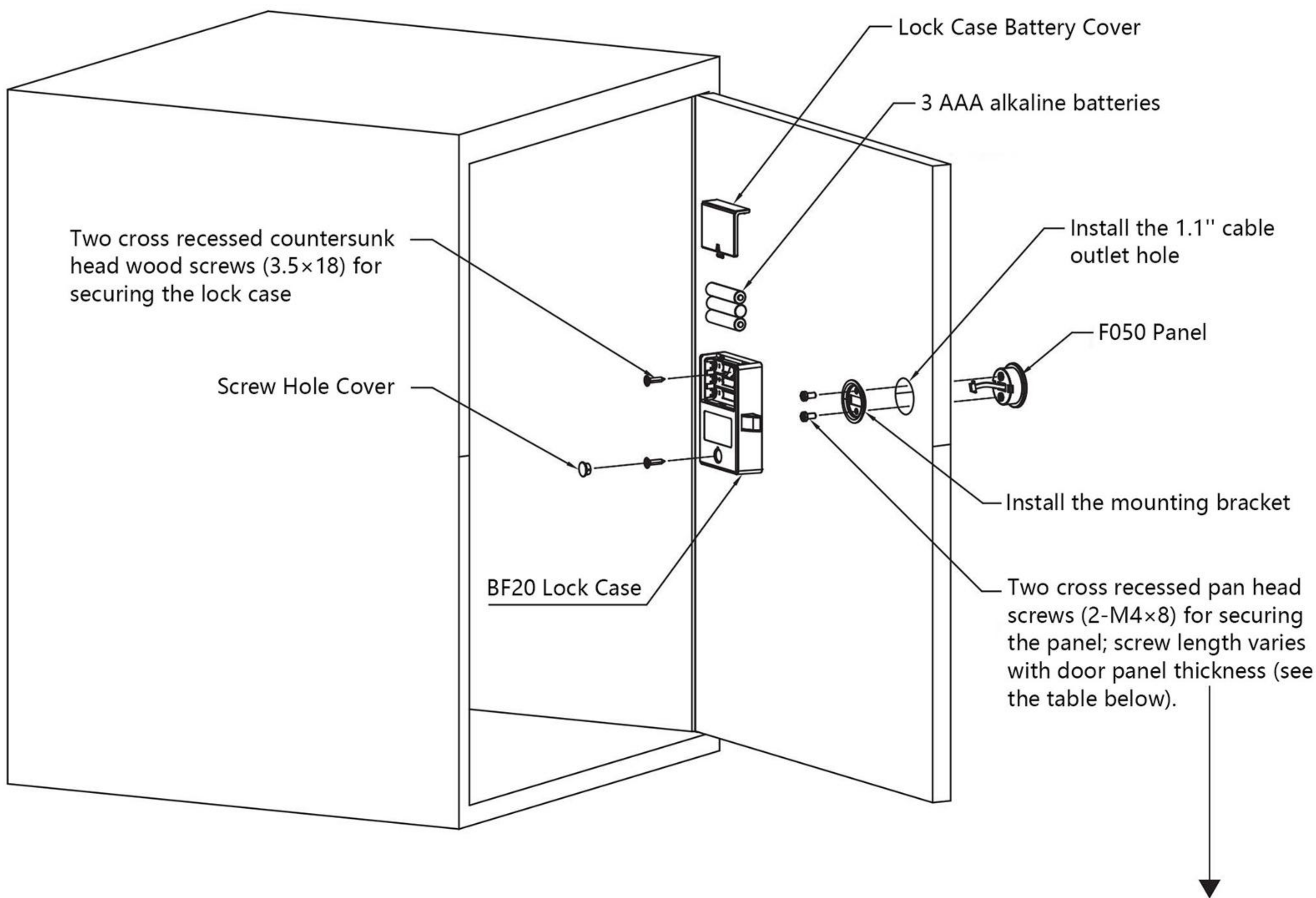
3.2 Door Panel Drilling Drawing

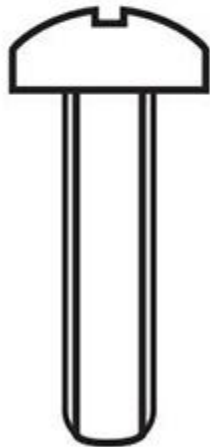
Drill a 1.1" diameter circular hole at the middle of the door panel, 1.77" away from the inner side of the left side panel.



3.3 Mounting Panel and Lock Case

- (1) Pass one end of the connecting wire through the central circular hole; then use two cross recessed pan head screws (M4x8) to pass through the mounting bracket and fasten the panel to the door panel.
- (2) Connect one end of the connecting wire to the lock case, tidy up the wire to prevent it from being crushed, and then fasten the lock case to the door panel with two cross-recessed countersunk head wood screws (0.138" ×0.709").
- (3) Then fit the screw hole cover over the screw holes of the lock case; finally, insert 3AAA alkaline batteries and close the battery compartment cover.



Fasten the panel	Be equipped with screws	Door Panel Thickness
	(M4*6) X 2	Suitable for door panels of 5.51"~ 6.3" thickness
	(M4*8) X 2	Suitable for door panels of 6.3"~ 7.09" thickness
	(M4*10) X 2	Suitable for door panels of 7.09"~ 7.87" thickness

3.4 Install the strike plate

- (1) Mark a positioning line1 on the end face of the left side panel corresponding to the center of the latch bolt; align the center of the strike plate with positioning line 1 to determine the longitudinal position of the strike plate on the left door.
- (2) Then mark a positioning line 2 at a distance of L from the end face of the left side panel, where L is the door panel thickness. Align the bottom edge of the strike plate on the side with the large inclined plane with positioning line 2 to determine the transverse position of the strike plate (refer to the positioning dimension drawing of the lock case and strike plate for details).
- (3) Finally, fasten the strike plate box with two cross recessed countersunk head wood screws (0.14" × 0.71").

