

Intelligent Burglarproof Door Secure Lock



MR22

Instruction

APPROVED BY ISO9001:2000

IMPORTANT REGULATORY INFORMATION

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 that is received, including any interference that may cause undesired operation.

WARNING:

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



Welcome To Use

Thank you for choosing our Intelligent Burglarproof Door Lock, MR22 is an Intelligent Secure Door Lock with new-style high-tech which can be opened by fingerprint, password or key, moreover, it could be connected with computer as data transfer.

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The main purpose of contents and photos in the instruction is to explain the operation steps for this product. The actual function of the lock might be slightly changed due to software upgrade, and the adjustments will be implemented without advance notice .

Please read the instruction carefully before using.



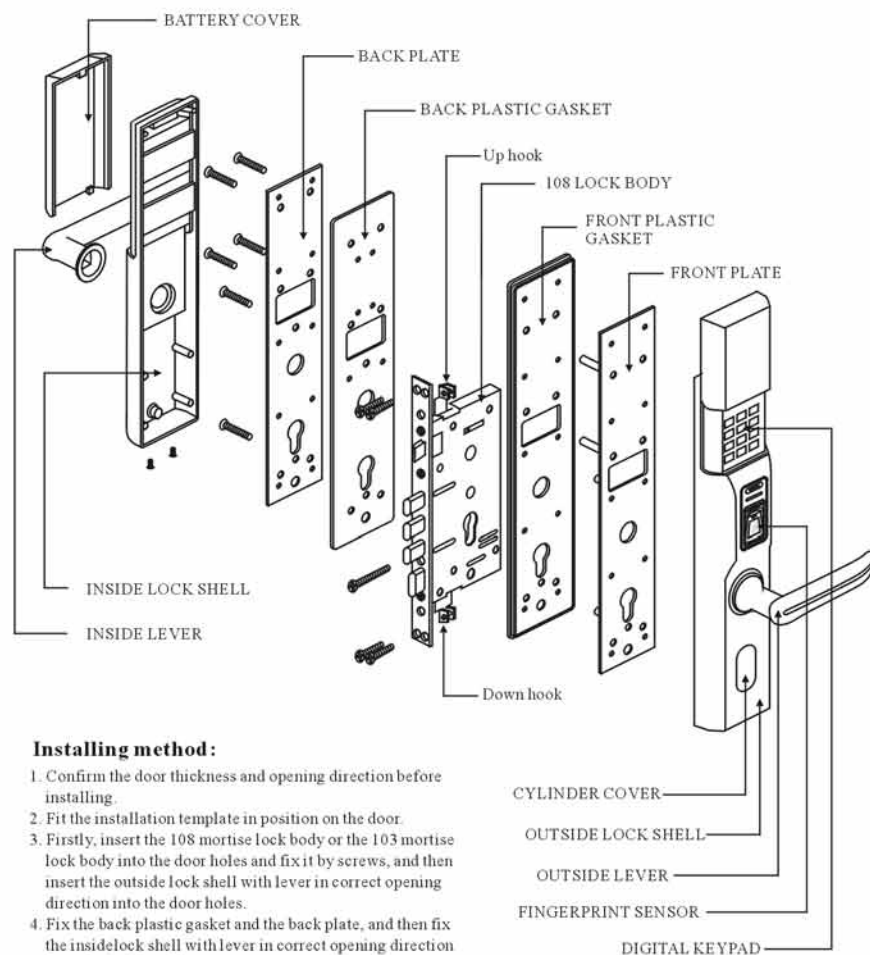
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Features

- ★ Keyless, open the door by fingerprint or password, very convenient.
- ★ Lock the door manually after opening, secure and durable.
- ★ Durable batteries thank for the high-tech power saving design.
- ★ Advanced design, secure and reliable.
- ★ Graceful design and elegant exterior make your home more colorful.

Configuration

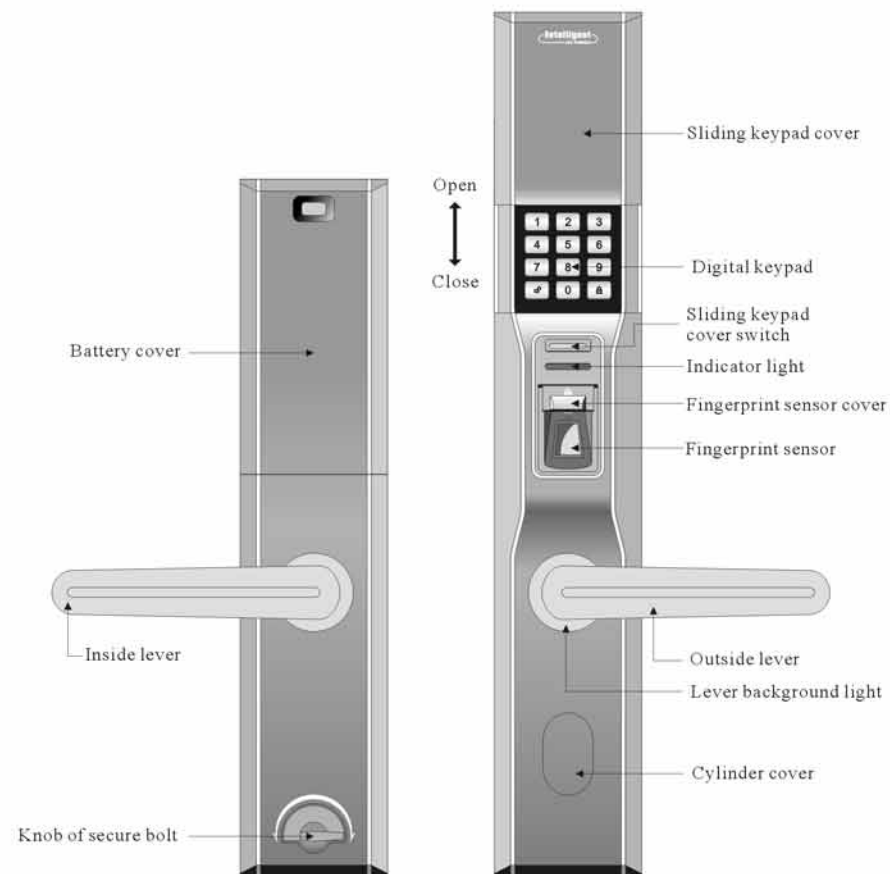


Installing method:

1. Confirm the door thickness and opening direction before installing.
2. Fit the installation template in position on the door.
3. Firstly, insert the 108 mortise lock body or the 103 mortise lock body into the door holes and fix it by screws, and then insert the outside lock shell with lever in correct opening direction into the door holes.
4. Fix the back plastic gasket and the back plate, and then fix the insidelock shell with lever in correct opening direction from the inside of door.
5. Check up functions of the lock, and make sure it works properly after installation.

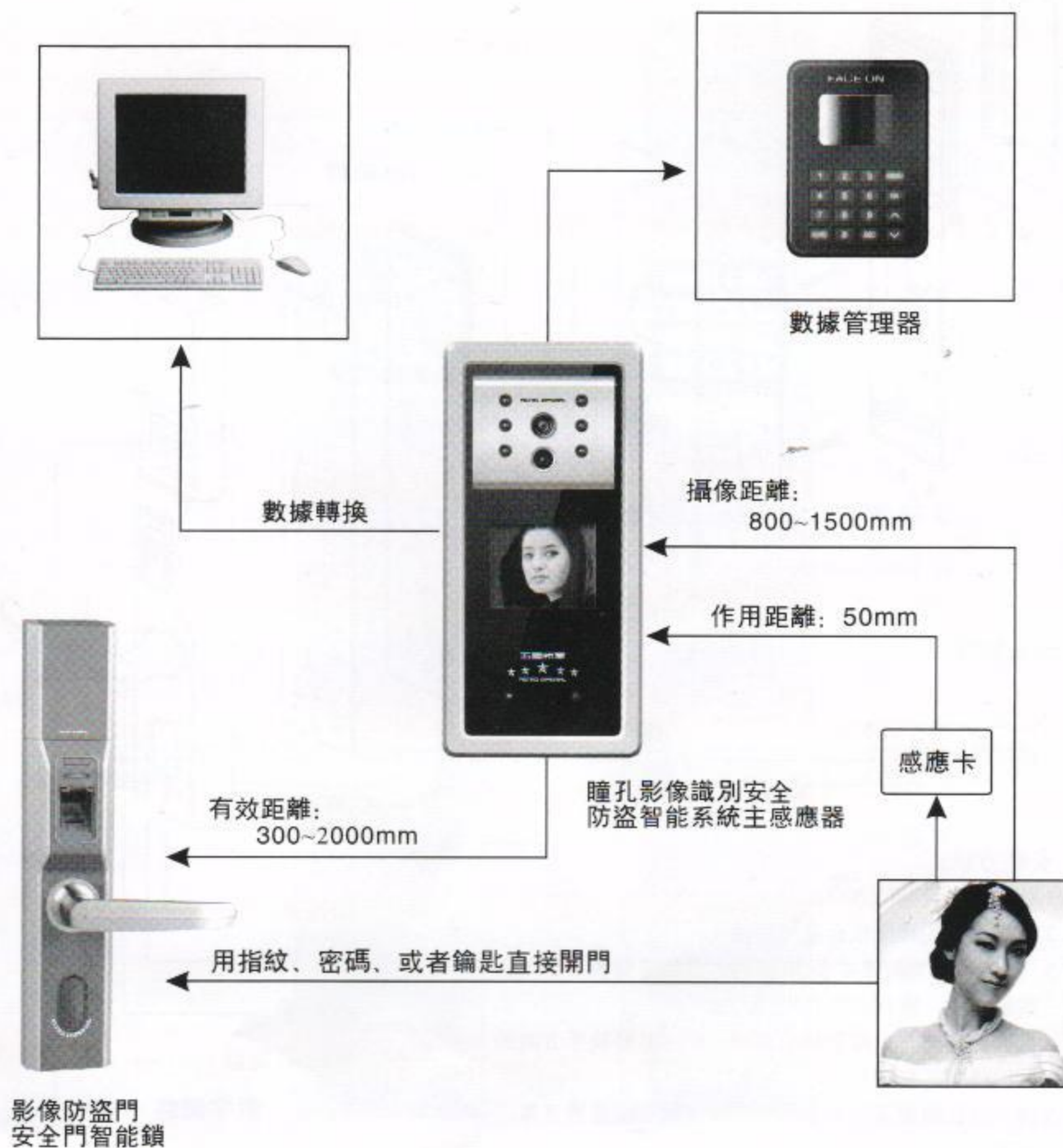
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Components



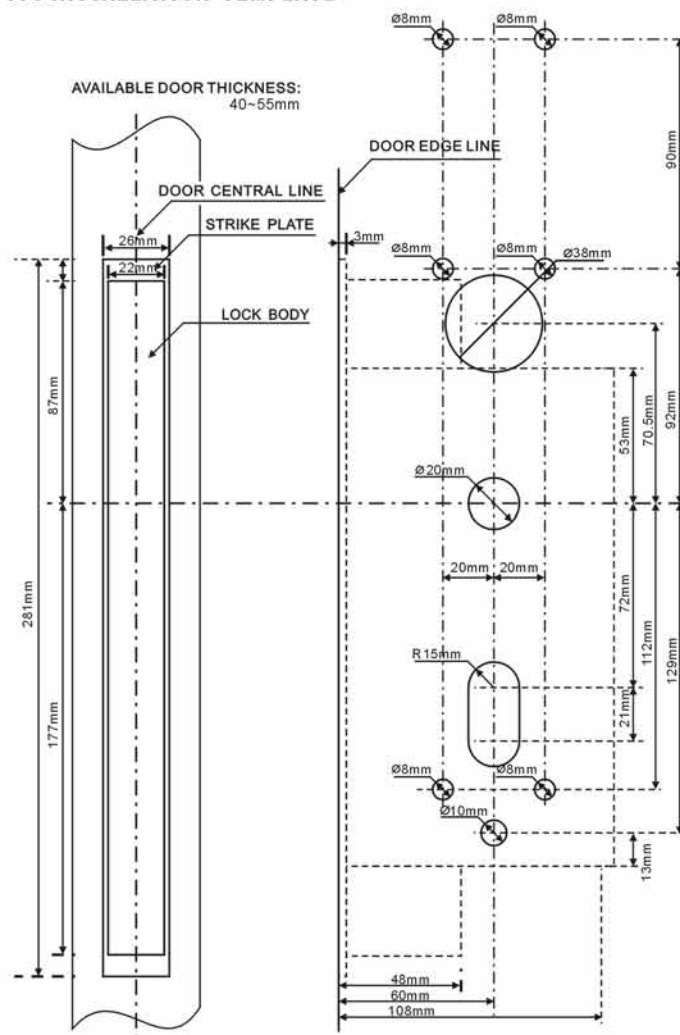
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瞳孔影像識別智能系統設計思路



Installation template (108 mortise lock body)

MR22-108 INSTALLATION TEMPLATE

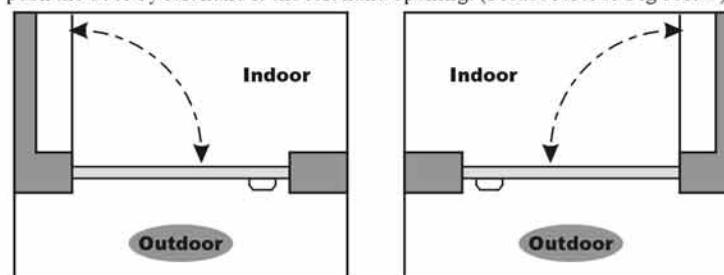


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Distinguish the right hand opening and the left hand opening

How to distinguish the right hand opening and the left hand opening:

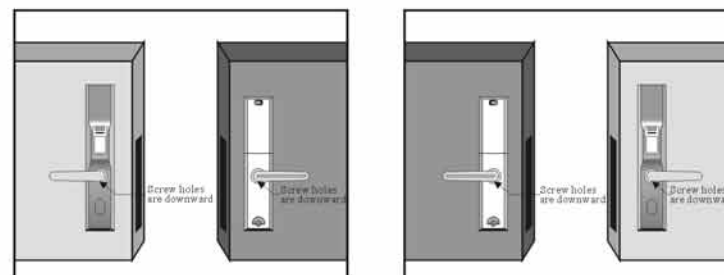
- Stand in front of the door and push the door by right hand is the right hand opening; push the door by left hand is the left hand opening. (Please refer to Fig below)



left hand opening

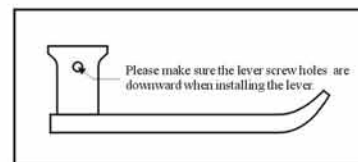
right hand opening

- Install the lever correctly. Please refer to Fig below (screw holes should be downward)



left hand opening

right hand opening



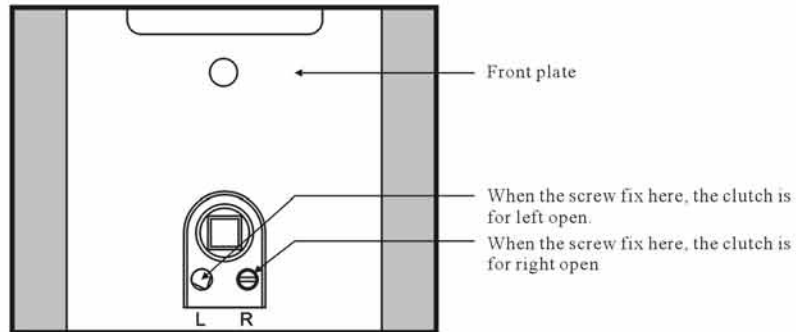
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Setting the position of the clutch

The clutch has been fixed as right opening or left opening before packing, please refer to remarks on the box. Please don't remove the clutch during installation, and we will not be responsible for any problem that is caused by the user removes the clutch without proper instruction.

Change the position of clutch according to door open direction:

1. The clutch is set in right opening position from the box packing. (Please refer the Fig.)
2. If the clutch needs to set in left opening position, please release the screw from "R" position, and then fix it to "L" position and the setting is done.

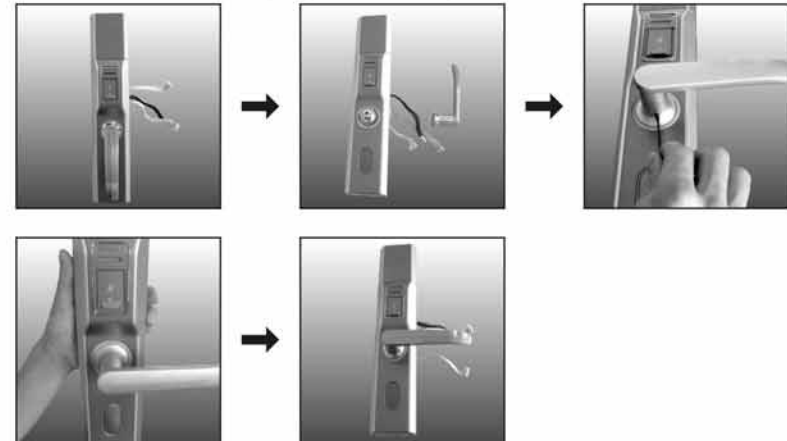


Install the lever

ASTRO IMPERIAL

How to install the inside or outside lever:

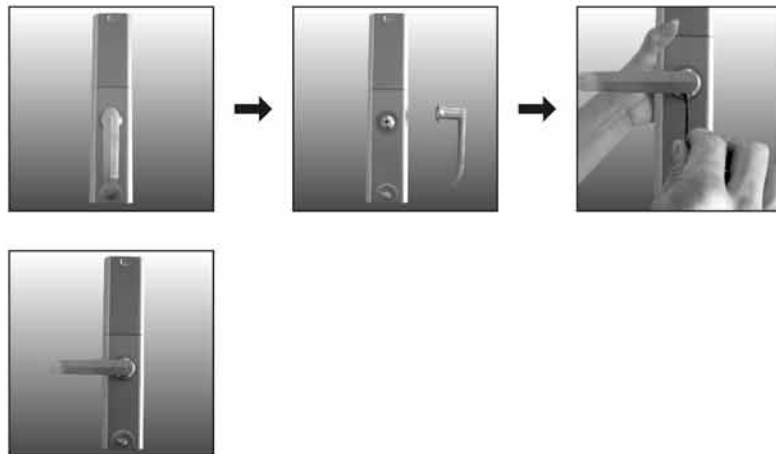
1. Please remove the outside lever from the outside lock shell when installing the outside lever, and then fix the lever in correct position, meanwhile, the lever screw holes should be downward, finally, tighten the Hexagonal screw.



Install the lever

ASTRO IMPERIAL

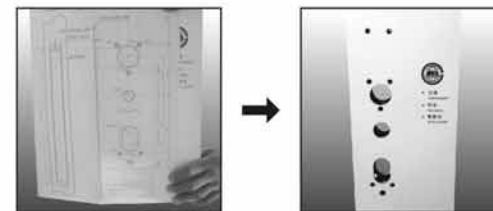
- Please remove the inside lever from the inside lock shell when installing the inside lever, and then fix the lever in correct position, meanwhile, the lever screw holes should be downward, finally, tighten the Hexagonal screw.



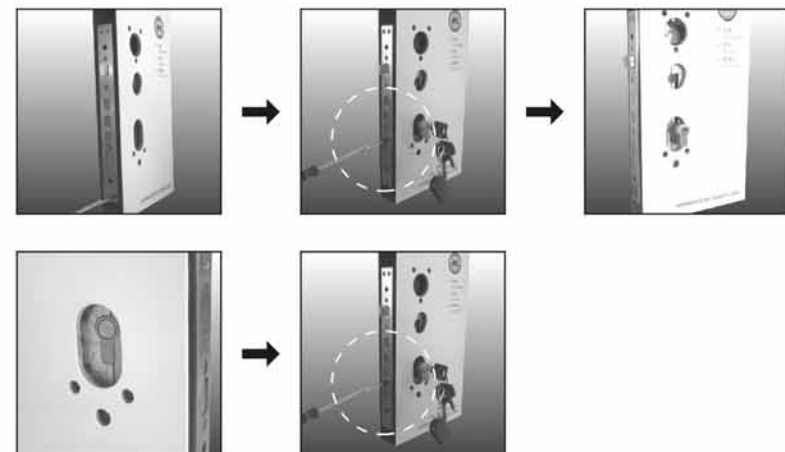
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Installation instruction of 108 mortise lock body

- Confirm the door thickness and opening direction before installing. The available door thickness is 40-55mm.
- Fit the installation template in position on the door. Drill holes according to the size and the position indicated on the template. (refer to P.7)



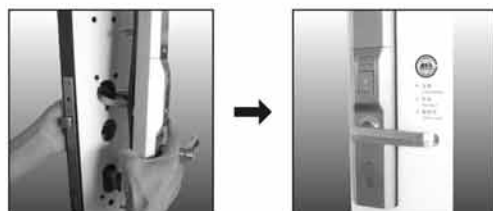
- Firstly, adjust the position of latch, insert the mortise lock body into the holes of door and fix the strike plate by M4x20 screws; Secondly, insert the cylinder into the lock body from the outside of door and fix it by a M5x70 screw; Finally, fix the hooks of two sides of mortise lock body by corkscrew.



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Installation instruction of 108 mortise lock body

4. Put the front plate and the front plastic gasket together, and then insert the outside lock shell into correct position.



5. Put the back plate and the back plastic gasket together, and then tighten outside lock shell by 5pcs M5x25 flat screws.



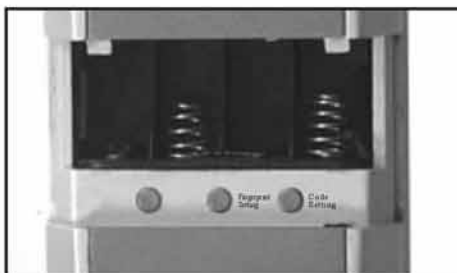
6. Put the small square spindle, the spring and the big square spindle into the hole of inside lock shell in order, Insert the wire connector of the outside lock shell into the plug on the circuit board of the inside lock shell properly, and then line up the wires, make sure there will be enough space for the spindle of the lock body works smoothly. Use 4pcs M4x6 and 2pcs M3x9 cross screws to fix the inside lock shell together with the back plate on the door.



7. Adjust the strike box and plate to the correct height, and then fix them on the doorframe by M4x20 cross screws.

How to use

There are 3 setting keys on the inside lock shell : the code setting key (called [A]), the fingerprint setting key (called [B]), On the outside lock shell, there is a sliding keypad cover switch (called [C]) on the keypad.



How to initialize the system:

Open inside lock shell by releasing the screws, and then press the button on the circuit board for 5 seconds.

All the set steps will be deleted, and the initial code " 1.2.3.4 " will be resumed as the current code automatically.

How to delete the fingerprints and the code:

Press [A] and [B] at the same time for 5 seconds, the sliding keypad cover will rise automatically after 1 beep sounds.

Input the current code and then press [↵], the current code and all fingerprints will be deleted, and the initial code " 1.2.3.4 " will be resumed as the current code automatically.

Music sounds if setting is successful.

A beep sounds if setting is failed and the sliding keypad cover will decline automatically.

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How to set a code:

There is only one valid code, which is combined with 4 to 16 digits.

Press [A] for 5 seconds, the sliding keypad cover will rise automatically after 1 beep sounds.

Input the current code (if it's initialized, please input " 1.2.3.4 " as the current code), and then press [↵], music sounds, meanwhile, it is ready for setting.

Input a new code and press [↵], a beep sounds, repeat the new code and press [↵], music sounds after setting is done, and the sliding keypad cover will decline automatically.

How to input a fingerprint:

Press [B], a beep sounds, and the sliding keypad cover will rise automatically.

Input the current code, and then press [↵], music sounds.

Please put a fingertip on the sensor when the fingerprint sensor background light turns red, and then a beep sounds if the fingerprint is input successful.

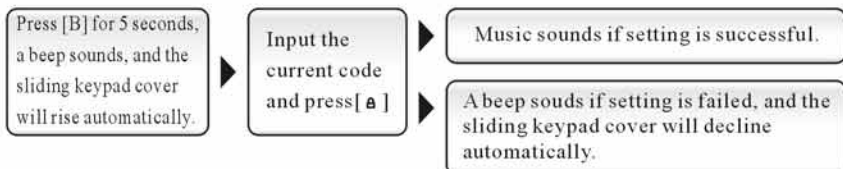
More fingerprints can be set as long as you press [↵] within 5 seconds. But if there is not any fingertip touch the sensor within 5 seconds, and the sliding keypad cover will decline automatically and the setting will be over.

Press [↵] and the fingerprint setting is over.

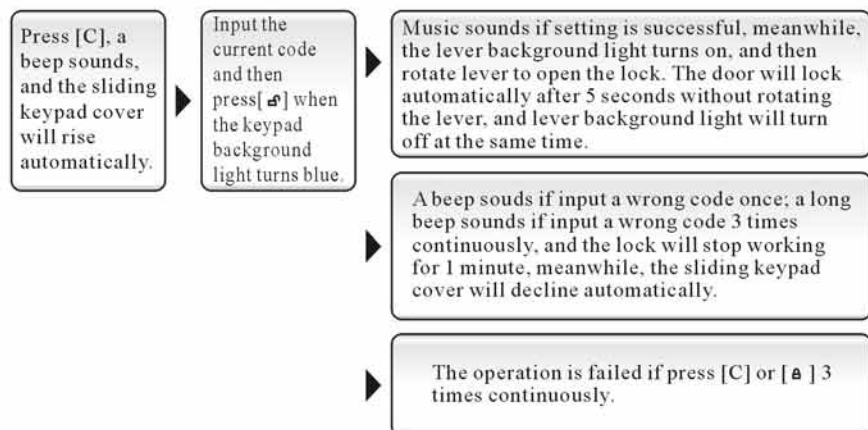
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How to use

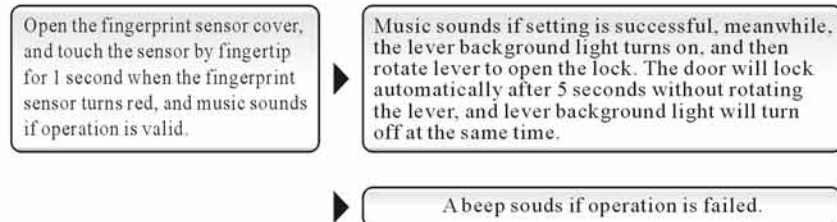
How to delete all fingerprints:



How to open the lock by code:



How to open the lock by fingerprints:



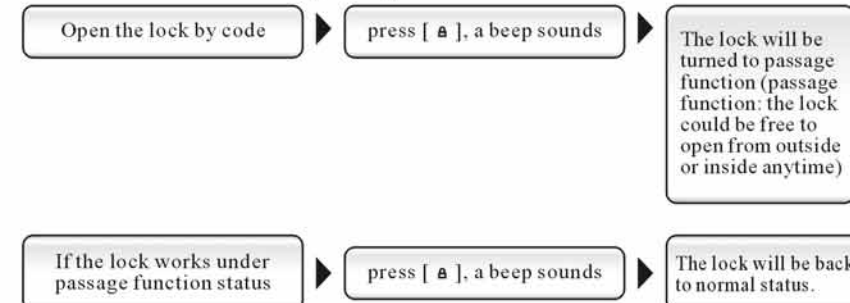
How to open the lock by key

Open the lock by key directly.

How to lock:

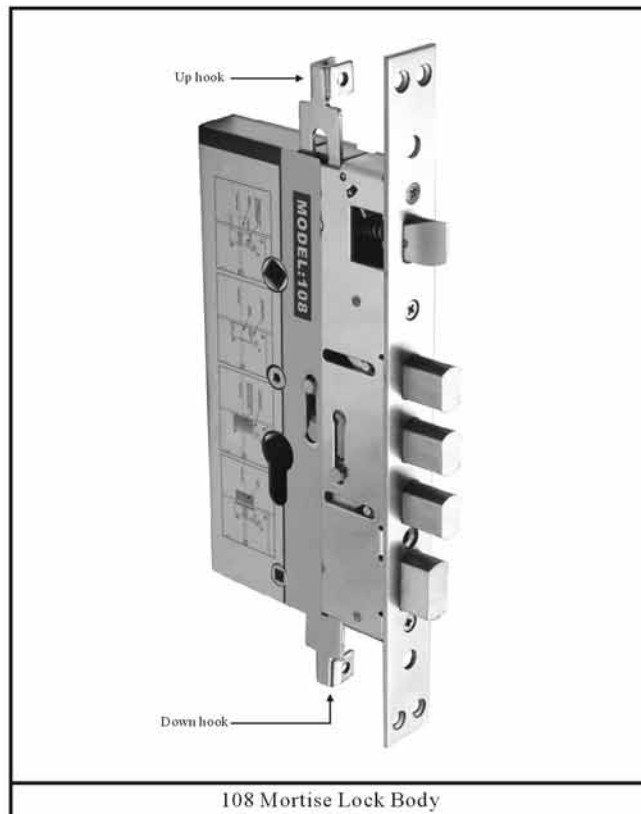
This lock should be locked manually. Please lock the door by turning the lever 45 degrees counter-clockwise.

How to set the lock with passage function:

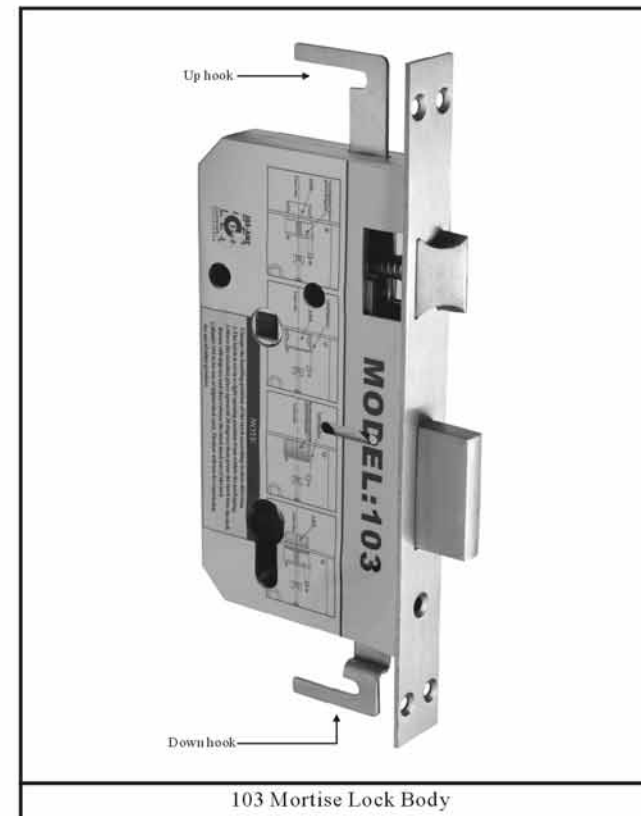


Brief introduction of universal mortise lock body

This MR22 is an Intelligent Secure Door Lock; there are 2 kinds of mortise lock body available: 103 or 108 mortise lock body. The 103 mortise lock body is different from 108 mortise lock body in installing method. Duration of the mortise locks is 200,000 cycles.



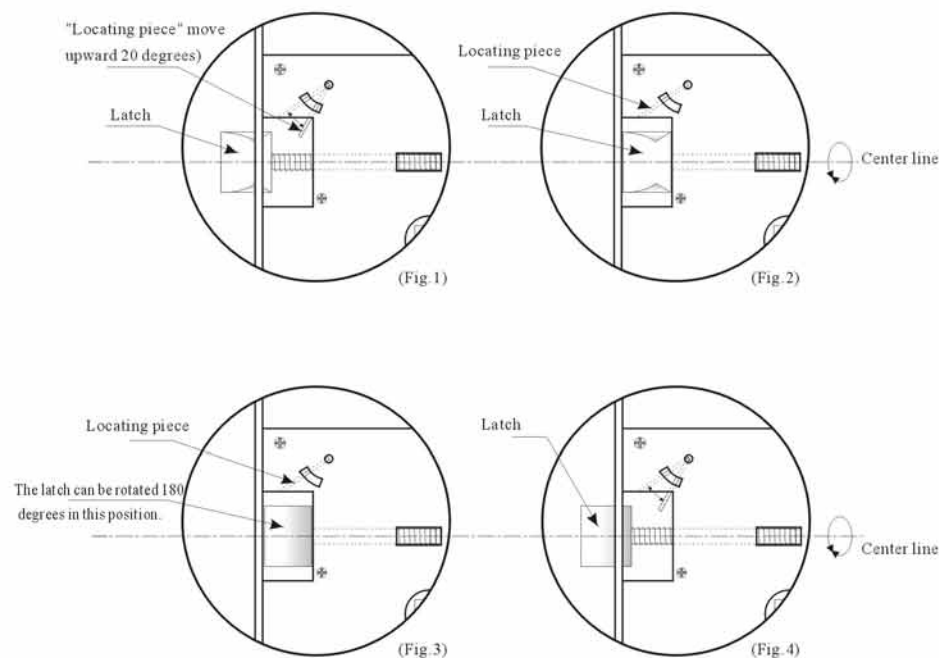
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Setting the position of the latch of mortise lock body (Right opening or Left opening)

How to change the position of the latch of 108 mortise lock body:



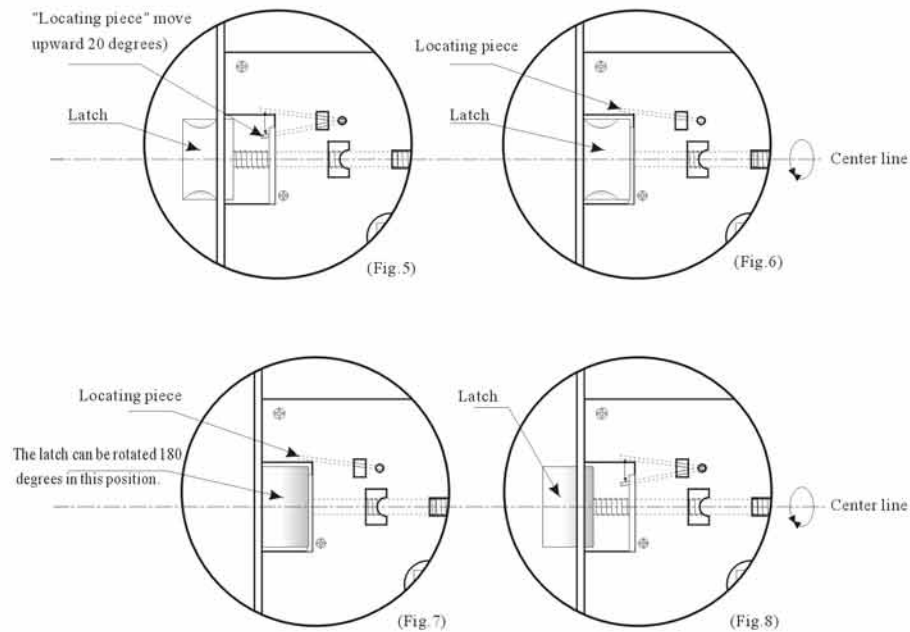
Change the handing position of the latch according to door direction

1. The latch is set in a right opening position from within the packaging.
(Please refer to Fig. 1)
2. Move the locating piece upwards 20 degrees then press the latch into the lock.
Rotate 180 degrees and then release the latch back out of the lock(Fig. 4)

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How to change the position of the latch of 103 mortise lock body:



Change the handing position of the latch according to door direction

1. The latch is set in a right opening position from within the packaging.
(Please refer to Fig. 5)
2. Move the locating piece upwards 20 degrees then press the latch into the lock.
Rotate 180 degrees and then release the latch back out of the lock(Fig. 8)

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Technical Parameters

Technical parameters of the circuit board of the Intelligent Secure Door Lock

Item	Representative Value
Working voltage	4.6 ~7V
Regular range of working voltage	4.6 ~7V,
Alarm value of low battery	4.9V
Static current	<20uA
Working current	<110mA, <180mA
Working temperature range	0~80℃
(FRR) False Reject Rate	<4%
(FAR) False Accept Rate	< 0.001%
Capacity	100pcs
The response time to identify the fingerprint	<2
Battery life time	Open the door regularly for 3600 times
Motor working rated voltage	4.5V
Generator speed	0.5

Remark: the product equips with anti-battery converse protection circuit, anti-static protection circuit and anti-overload protection circuit. While the working current is over 300 MA, the protection circuits would be activated to avoid circuit board overload.

Notes

1. The lock will raise alarm while the battery is getting low (A deep vocal hint sounds after the lock is opened)
2. Highly recommend using AAA alkaline high quality batteries, and please do not mix up new batteries with the old ones at the same time. Please make sure to replace batteries in correct position, avoid to make any mistake on the + or - battery pole.
3. The effective code and fingerprints are still available after replacing batteries, therefore, no need to reset.
4. The intelligent lock only can be locked by rotating the lever manually, please remember to lock it after opening the door.
5. Avoid infusing water into the lock, or the product will not work properly.
6. Please do not take apart the products. Because inside structure of the lock is complicated and precise, it would be damaged easily by reassembling.

After service

Five year limited warranty on all mechanical parts, one year warranty on electronic components.

Note:

A) The warranty does not cover damage caused by poor installation and misuse of the unit

B) Excludes consequential damage such as earthquakes, fire and lightning.

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Guarantee Card

Information should be filled by dealer					
User info	User name		Tel:		Post code:
	Add.				
	E-Mail				
Product info	Name of product				
	Item no		Ex-factory code		
	Manufacturer				
Sales info	Dealer name				
	Add.				
	Tel:		Post code:		
	Sales date		Invoice no.		
	Dealer seal				
Information should be filled by service organization.					
The first time	Name of service organization				
	Add.				
	Maintain bill no.				
	Date		Tel:		
	Maintain person				
The second time	Name of service organization				
	Add.				
	Maintain bill no.				
	Date		Tel:		
	Maintain person				
Note:					

