

Technology For Life

LEELLEN

Model 10 Outdoor Unit
Model 16 Outdoor Unit

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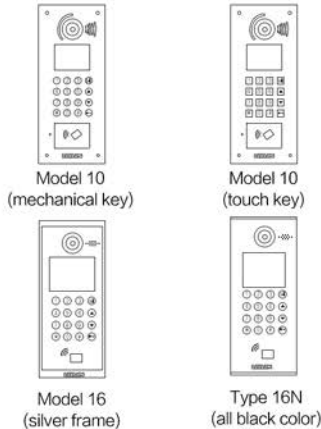


The product shall be subject to the actual equipment

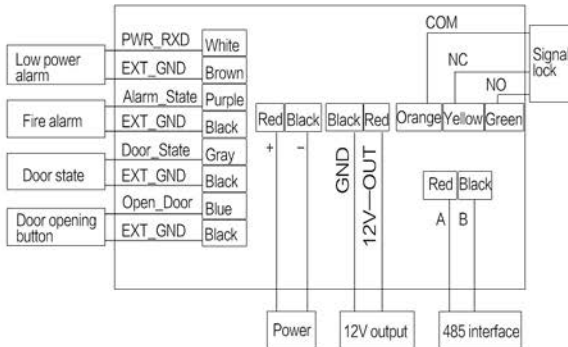
User's Manual V1.0

RP.M10.ZC-SM.010

I. External view of equipment

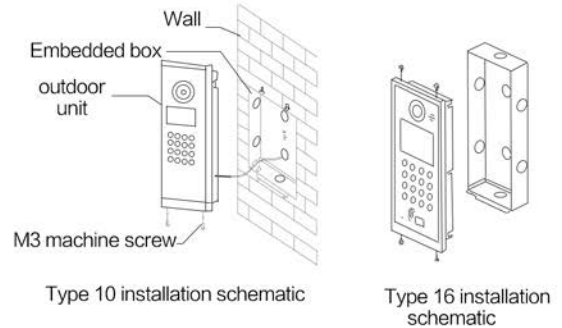


II. Product wiring diagram



[1]

III. Installation diagram



1 Installation steps:

Embedded wall installation: Secure the embedded box in the wall hole, and lock the outdoor unit in the embedded box with M3 machine screws.

Embedded box: 142 x 358 x 64mm (type 10); 145 x 358 x 60mm (type 16)

2 Installation Precautions

- The outdoor unit shall not be installed in the sun exposure, rain, high temperature, snow/frost, too much dust or strong magnetic field environment.
- The outdoor unit camera shall avoid direct sunlight to prevent poor image quality.
- When the outdoor unit is installed, it is recommended that the camera be about 145cm from the ground.
- The lighting at night shall be taken into account during the installation of the outdoor unit.
- The outdoor unit shall not be installed in the place where the background noise is more than 70dB.

[2]

IV. Technical Parameters

- External dimensions: 170 x 386 x 54mm (type 10)
166 x 386 x 52mm (type 16)
- Operating voltage: 12–24VDC
- Maximum power consumption: 3.47W
- Static power consumption: 2.28W
- Operating temperature range: –40°C – +70°C
- Waterproof and dustproof class: IP54
- Explosion-proof class: IK07
- Card Type: IC card
- Card capacity: 30 000

V. Features and Functions

- It is made of aluminum die-casting panel, and has the explosion-proofing function.
- It has the night light capturing function.
- It is equipped with a safety professional camera, has a video image pre-processing function and has better image quality
- Built-in IC card reader.
- Support the equipment displacement alarm.
- Unlocking modes include bluetooth (optional), card swiping, QR code, password locking and other unlocking mode.

VI. Operating instructions for calling residence and management center

- Call resident
The user directly inputs the apartment No., and the resident can implement the video intercom or unlocking operation.
- Call center
The user can call the center through the [security] button on the panel, and then the guard unit can have the video intercom or unlocking operation.

VII. Operating instructions for access function

- Bluetooth unlocking (optional)
After the user turns on the manual APP, the user shakes the mobile near the outdoor unit or clicks unlocking to automatically open the door and the outdoor unit will give a voice prompt [The door has been opened].
- Unlocking with QR code(optional)
Click on the [~] button on the outdoor unit panel to enter the identification interface, start the mobile APP to the function of opening the door with the QR code and scan the dynamic QR code in front of the outdoor unit lens to open the door, then the outdoor unit gives a voice prompt [The door has been opened; please come in].
- Unlocking by swiping the card
The user swipes the registered residence card at the card reader on the outdoor unit, the outdoor unit gives a voice prompt [The door has been opened].

VIII. Description of the parameter setting

① Method for entering the parameter setting

Press the [unlocking key + * 90 * + 1234 + unlocking key] button to enter the parameter menu.

② Description of the parameter item setting

1. Access card management	
Access card management interface includes access control configuration, home card management, property card management, bluetooth, QR code and other items.	
Access control configuration	The user can choose to unlock with the password, QR code or bluetooth, and the access control card can be used in multiple choices in types.
Home card management	Registration: Enter the home card management interface → edit the unit number and the apartment number (four digits respectively) → press the down key to the registration bar to enter the registration interface → swipe the card at the marked place of the card reader according to the interface prompts → register successfully.
	Logout: Enter the home card management interface → edit the unit number and the apartment number (four digits respectively) → press the down key to the cancellation bar to enter the logout interface → press “#” to select the OK option so that the deletion is successful.
Property card management	Registration: Enter the property card management interface → swipe the card at the marked place of the card reader according to the interface prompts → register successfully.
Bluetooth	Registration: Enter the bluetooth interface → edit the unit number and the apartment number (four digits respectively) → press the down key to the registration bar → click on the registration button on the mobile APP; the registration is completed after the outdoor unit gives a voice prompt that the registration is successful.

Bluetooth	Logout: Enter the bluetooth interface → edit the unit number and the apartment number (four digits respectively) → press the down key to the cancellation bar → confirm the cancellation so that the cancellation is successful.
QR code	Registration: Enter the QR code interface → edit the unit number and the apartment number (four digits respectively) → press the down key to the registration bar → input the ID number of the QR code on the mobile APP in the input bar of the registration interface, and press the # key to complete the registration.
	Cancellation: Enter the Two-dimensional code identification interface → edit the unit number and the apartment number (four digits respectively) → press the down key → confirm the cancellation so that the cancellation is successful.
2. Network	
In this function, the user can view and edit the outdoor unit IP address, sub-net mask and gateway, and view the outdoor unit MAC address.	
3. Address	
In this function, the user can view and edit the outdoor unit number, guard unit number, property center number and outdoor unit type.	
4. Version	
In this interface, you can view the software version, hardware version, kernel version and Mcu version of the equipment.	
5. Time limit	
In this interface, you can view and edit the lock time, opening time(s), time-limited service starting time and time-limited service ending time.	
6. Dial	
In this interface, you can view and set the number of dialing digits of the outdoor unit within 1 – 8 digits.	

7. Sound
In this function, the user can adjust the ringing volume, speech volume and prompt volume of the outdoor unit, a total of five-position adjustable; at the same time, you can select one of Ring1 – Ring5 as a ringtone.
8. Access control
In this function, you can select whether the outdoor unit or the access controller to control the access; if it is controlled by the access controller, you can edit the controller's address and the corresponding lock numbers.
9. Elevator control
In this function, the user can set the parameters related to the elevator calling function, including the outdoor unit floor and the elevator controller address.
10. Date and time
The user can set the time and date or choose to automatically obtain the time of the property center.
11. Screen sower
The user can set the time for the outdoor unit to enter the screen sower, as well as the screen sower mode.
12. Password
The user can set the password to enter the system setting, where the password is 6-bit digits.
13. Language
The user can set the outdoor unit language type, including Chinese (Simplified), Chinese (Traditional) and English.
14. A key to get
In this function, the user can set the equipment identifier and the property center (guard unit) number, and then press the # key to get the parameters.
15. Reset all settings
The user can reset the equipment parameters to the factory state (including network, address, card and other information) through the [Reset all settings] function.

IX. Restricted substances

Part Name	Toxic and hazardous substances or elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr6+)	Polybrominated biphenyl (PBB)	Polybrominated diphenylether (PBDE)
Metal part	○	○	○	○	○	○
Plastic part	○	○	○	○	○	○
CRT display screen	X	○	○	○	○	○
LCD screen	○	○	○	○	○	○
Circuit board component *	X	○	○	○	○	○
Power cord/cable	X	○	○	○	○	○
Power/adapter	X	○	○	○	○	○
Packaging	○	○	○	○	○	○
This form was prepared in accordance with SJ/T 11364						
*: Circuit board components include a printed circuit board and its components, such as resistors, capacitors, integrated circuits, etc.;						
○: It indicates that the contents of the hazardous substance in all homogeneous materials of the part are below the limit requirement specified in GB/T 26572;						
X: It indicates that the contents of the hazardous substance in at least one of the homogeneous materials of the part exceed the limit requirement specified in GB/T 26572;						

* FCC

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.

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

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.