LEELEN

Technology For Life

Model 15 Outdoor Unit

Model 15E Outdoor Unit

Model 15F Outdoor Unit

User's Manual V1.0

RP.M55.ZC-SM.009

I. External view of equipment

❶ Front view

Model 15E   Model 15F   Model 15

❷ Back view

- Project upgrading interface
- Setting button
- Anti-displacement monitoring
- Network Interface
- 485 interface
- Power access
- Signal lock interface
- Door opening button and door opening detection
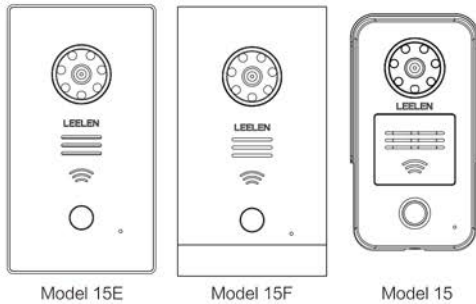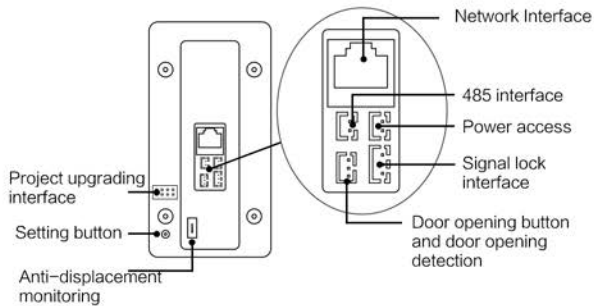
II. Product wiring diagram

	Network Interface			
485 interface	B	Black	Black	GND
	A	Red	Red	18V	Power
Outgoing button	UL	Green	Orange	COM
Ground	G	Black	Yellow	NC	Signal lock
Door state	ALM	Yellow	Green	NO
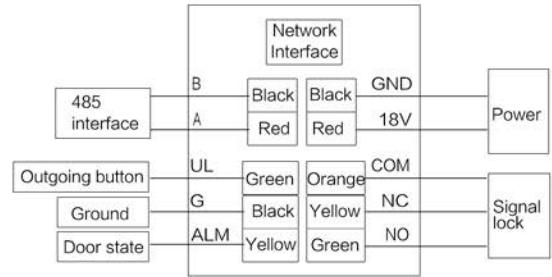
III. Installation diagram

❶ Steps for external-hanging installation and embedded installation are shown in Figure 1 and Figure 2:

Wall
Sunshade
M3 tapping screw
Model 15 outdoor unit
M3 machine countersunk head screw

Wall
Embedded box
M3 machine countersunk head
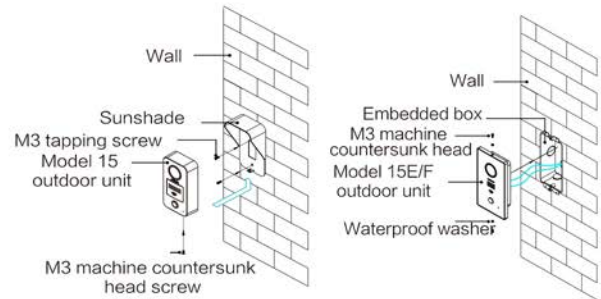Model 15E/F outdoor unit
Waterproof washer

Figure 1 External-hanging installation

Figure 2 Embedded installation

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.

IV. Technical Parameters

- External dimension: 79 x 148 x 45mm (type 15)
  93 x 168 x 32mm (type 15E/ 15 F)
- Dimension of the embedding box: 75 x 150 x 50mm (type 15E/ 15 F)
- Operating voltage: 12–24VDC ± 10%
- Maximum power consumption: ≤6W
- Static power consumption: ≤3W
- Operating temperature range: −40℃ – +70℃
- Waterproof and dustproof class: IP54
- Card Type: IC card
- Card capacity: 30 000

V. Functional characteristics

- It is made of cast aluminum material/tempered glass, and has anti−explosiun and waterproof functions.
- It has the night light capturing function, video image processing function and better intercom quality.
- It has a built−in IC card reader, you can unlock by swiping the card, and it supports the property patrol (unlock if swiping the card).
- Support the equipment displacement alarm.
- Support SPOE power supply.

VI. Product introductions

1 Outdoor unit calls indoor unit

The visitor directly presses the call button on the villa outdoor unit to call the corresponding indoor unit, for video intercom, unlocking and other operations. When the indoor unit implements the unlocking operation, the outdoor unit will give a voice prompt "The door has been opened; please come in".

When the indoor unit is called, if the indoor unit is not answered, the outdoor unit will give a voice prompt "Please press the key to leave a message" 25 seconds after the ringing, and you can press the call key to leave a message at this time. The household can view the message information from the visitor on the indoor unit.

Note: For the function that the visitor calls the indoor unit to leave a message, the called indoor unit is required to have the message leaving function.

2 User card swiping operation

The user swipes the registered proximity card in the card swiping part of the outdoor unit, the outdoor unit will give a voice prompt "The door has been opened; please come in" when card is swiped successfully, and "this card is invalid" if failed; at the same time, the outdoor unit will capture the image and send the captured images, card swiping number, card swiping time and other information to the property center.

3 Exit button and door state detection function

Exit button:

After the door opening button interface at the back of the outdoor unit is connected to an external exit button switch, when the user presses the exit button, the outdoor unit will control the connected lock for the unlocking operation.

Door state detection:

After the door state button interface at the back of the outdoor unit is connected to the door magnetic probe, in case of is door opening overtime, the outdoor unit will send the relevant alarm information to the residence and the management center.

④ Parameter setting function

Enter the parameter setting:

After removing the outdoor unit and pressing the setting button on the back of the outdoor unit in the case of the outdoor unit powered on, the outdoor unit will give a voice prompt "enter the system setting", indicating that the equipment enters the parameter setting state.

If the outdoor unit is not removed, and you swipes the card with the user management card, the outdoor unit will give a voice prompt "enter the system setting", indicating that the equipment enters the parameter setting state.

Note: This function requires turning on the user management card function when the outdoor unit is configured.

Function switching:

During the parameter setting, the user switches the function through the "Call" key on the front of the equipment. When it is switched to "Exit system setting", the system will automatically exit the parameter setting.

Exit the parameter setting:

During the parameter setting, if the user does not operate for more than 8 seconds, the system will automatically exit the parameter setting and prompt to "exit the system setting".

During the parameter setting, the user swipes the card in the outdoor unit through the user management to directly exit the parameter setting.

⑤ Description of the parameter setting item

Function	Option	Description
User card registration	●■	In this function, the user swipes a new card to be registered at the reader, and the system prompts "the card has been registered Note: At most 20 cards can be registered by the user manually.
User management card registration	●■	In this function, the user swipes a new card to be registered as a user management card at the reader, and the system prompts "the card has been registered successfully" to complete the registration of the user management card. Note: Only one user management card can be registered per household. The original registered user management card will be deleted once a new user management card is registered.
Cancellation of all cards	●■	In this function, the user presses and holds the "Call" button on the outdoor unit, and the system will delete all user cards registered in the outdoor unit.
Re-set to factory defaults	●	In this function, the user presses and holds the "Call" button on the outdoor unit, and the outdoor unit parameters will be reset to the factory defaults.
Prompt switching	●	In this function, the user presses and holds the "Call" button on the outdoor unit, and the outdoor unit prompts to switch between the English prompt and the Chinese prompt.

Note: ● indicates entering the parameter setting function through the setting button on the back of the equipment

■ indicates entering the parameter setting function in the mode of swiping the user management card.

VII Restricted substances

Part Name	Toxic and hazardous substances or elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent nobelium (Cr6 +)	Polybrominated biphenyl (PBB)	Polybrominated diphenylether (PBDE)
Metal part	O	O	O	O	O	O
Plastic part	O	O	O	O	O	O
CRT display screen	X	O	O	O	O	O
LCD screen	O	O	O	O	O	O
Circuit board component *	X	O	O	O	O	O
Power cord/cable	X	O	O	O	O	O
Power/ adapter	X	O	O	O	O	O
Packaging	O	O	O	O	O	O

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.;

O: 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/T26572;

* 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 interferenceand
(2) this device must accept any interference receivedincluding inteerence 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 equipmenl.

This equipment has been tested and found to comply with the limits for a Class B digital devicepursuant to Part 15 of the FCC Rul s. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generatesuses and can radiate radio frequency energy andif not installed and used in accordance with the instructionsmay cause harmful interference to radio communications. Howevetrhere is no guarantee that inteerence will not occur in a particular installation

If this equipment does cause harmful interference to radio or television receptionwhich can be determined by turning the equipment off and onthe user is encouraged to try to correct the interference by one or more of the following measures:
−− Reorient or r locate the receiving antenna.
−− Increase the separation between the equipment and receiver
−− Connect the equipment into an outlet on a circuit drient from that to which the receiver is connected
−− Consult the dealer or an experienced radio/TV technician for help