Manuals+ — User Manuals Simplified.

tmezon MZ-V20 4
Wire Connected
Video Intercom
Wired Video
Intercom Kit

tmezon MZ-V20 4 Wire Connected Video Intercom Wired Video Intercom Kit User Manual

Contents

tmezon

tmezon MZ-V20 4 Wire Connected Video Intercom Wired Video Intercom Kit

Specifications

- **Display Resolution:** 7 inch, 1024*600
- **Intercom Duration:** 120s
- **Operating Temperature:** -10°C to 40°C
- **Number of Ringtones:** 16 ringtones
- **Power Supply:** DC 12V
- **Dimension:** 136*181*18mm

Features

- Angle Resolution
- Power Consumption
- Operating Temperature in Static State

Product Usage Instructions

1. **Step 1: Installation**
   Mount the indoor unit using the provided bracket and screws. Connect the outdoor unit and rain shade. Use the adapter and cables as needed.
2. **Step 2: Power On**
   Connect the power supply (DC 12V) to the device.
3. **Step 3: Operation**
   Use the monitor with a resolution of 1024*600 to view visitors. Intercom conversations have a duration of 120 seconds. Choose from 16 different ringtones for notifications.
4. **Step 4: Maintenance**
   Ensure the operating temperature is within -10°C to 40°C. Keep the device clean and free from obstructions for optimal performance.

FAQ

- **Q: What should I do if the device is not powering on?**

A: Check the power supply connection and ensure it is securely connected. Verify that the power source is functioning correctly.

- **Q: Can I change the ringtones on the device?**

  A: Yes, you can select from the available 16 ringtones in the settings menu of the device.

- **Q: Is it possible to extend the cable length?**

  A: Yes, you can use the optional 1m or 4-Pin cable for extending the cable length as needed.

7″ Video Doorphone User manual

SCAN & FOLLOW US

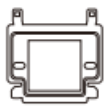Welcome to send email if any problem.
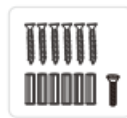Support email: **support@tmezon.com**
Official Website: **http://www.tmezon.com**

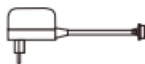## Accessories

| Indoor Unit *1 | Bracket *1 | Screw Pack | Outdoor Unit *1 | Rain shade *1 |

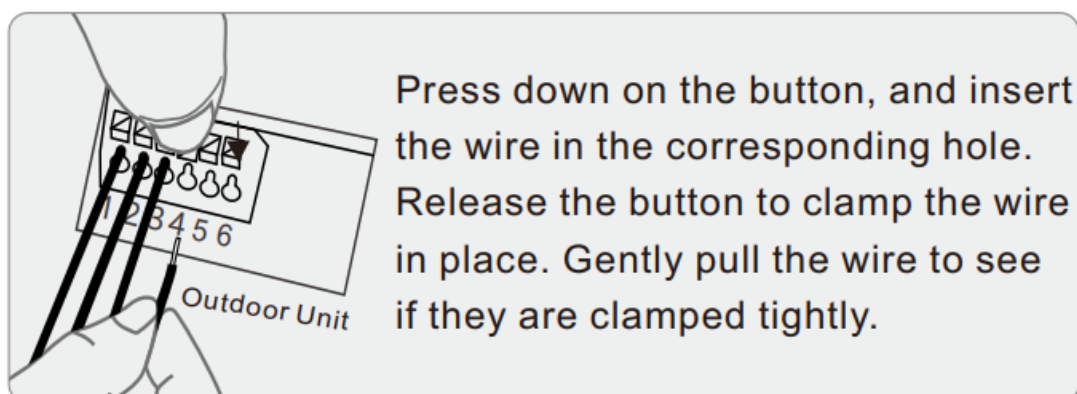| Adapter *1 | 2-Pin cable *1 | 1m cable *1 (optional) | 4-Pin cable (optional) |

Specifications

Monitor		Doorbell	
Display	7 inch	Angle	80°
Resolution	1024*600	Resolution	700 TVL
Intercom duration	120s	Power Consumption	Static State<3W, Working State<10W
Operating Temperature	-10 40℃	Operating Temperature	-15 50℃
Number of ringtones	16 ringtones	Waterproof Level	Ip55
Power supply	DC 12V	Relative Humidity	10% 90%(RH)
Dimension	136*181*18mm	Dimension	48*33*134mm

Features

- 7inch TFT screen with wide screen images and no radiation, low power consumption but high definition.
- Water-proof, oxidation-proof, abrasion-proof and anti-vandalism metal alloy panel outdoor unit. Release the electric lock.
- Monitor the outside.
- 16 melodies for option.
- Ringtone, talking volume, image brightness and chroma settings through the menu.

Wiring Diagram

How to attach wires to terminals

Press down on the button, and insert the wire in the corresponding hole. Release the button to clamp the wire in place. Gently pull the wire to see if they are clamped tightly.

1. Audio wire
2. Ground wire
3. Video wire
4. Power wire

The connecting wire between the indoor and outdoor units:

- Distance 0 – 15m: RVV4×0.2 mm²
- Distance 15 – 30m: RVV4×0.5 mm²

Connection: Terminals 1/2/3/4 on the outdoor unit to terminals 1/2/3/4 on the indoor unit.
The LOCK terminals on the indoor unit or the 5/6 terminals on the outdoor unit are used to connect the electric lock
. When connecting, use the RVV2×1.0 mm² cable and the cable length should be ≤15m.

Connecting the electric lock with both the indoor and outdoor unit at the same time is prohibited.
Before pressing the Electric Lock button, terminals (5/6 on the outdoor unit) are in the "Normally Open" state.
When pressing down the button, terminals are "shorted and connected". The terminals are used to connect the electric lock that works in <30V, <3A, however, additional power supply for the lock to work is required.
Lock and power supply for unlocking are not supplied.

Connect the electric lock to Doorbell

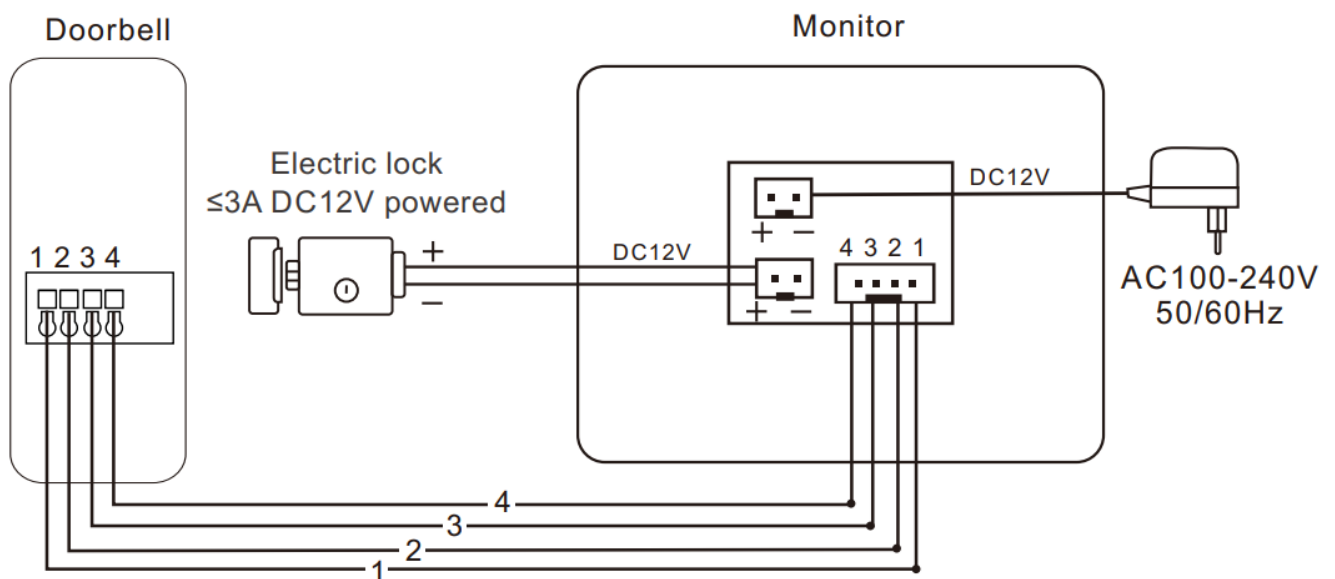Method 1: Power the electric lock by extra power supply (NO lock only)

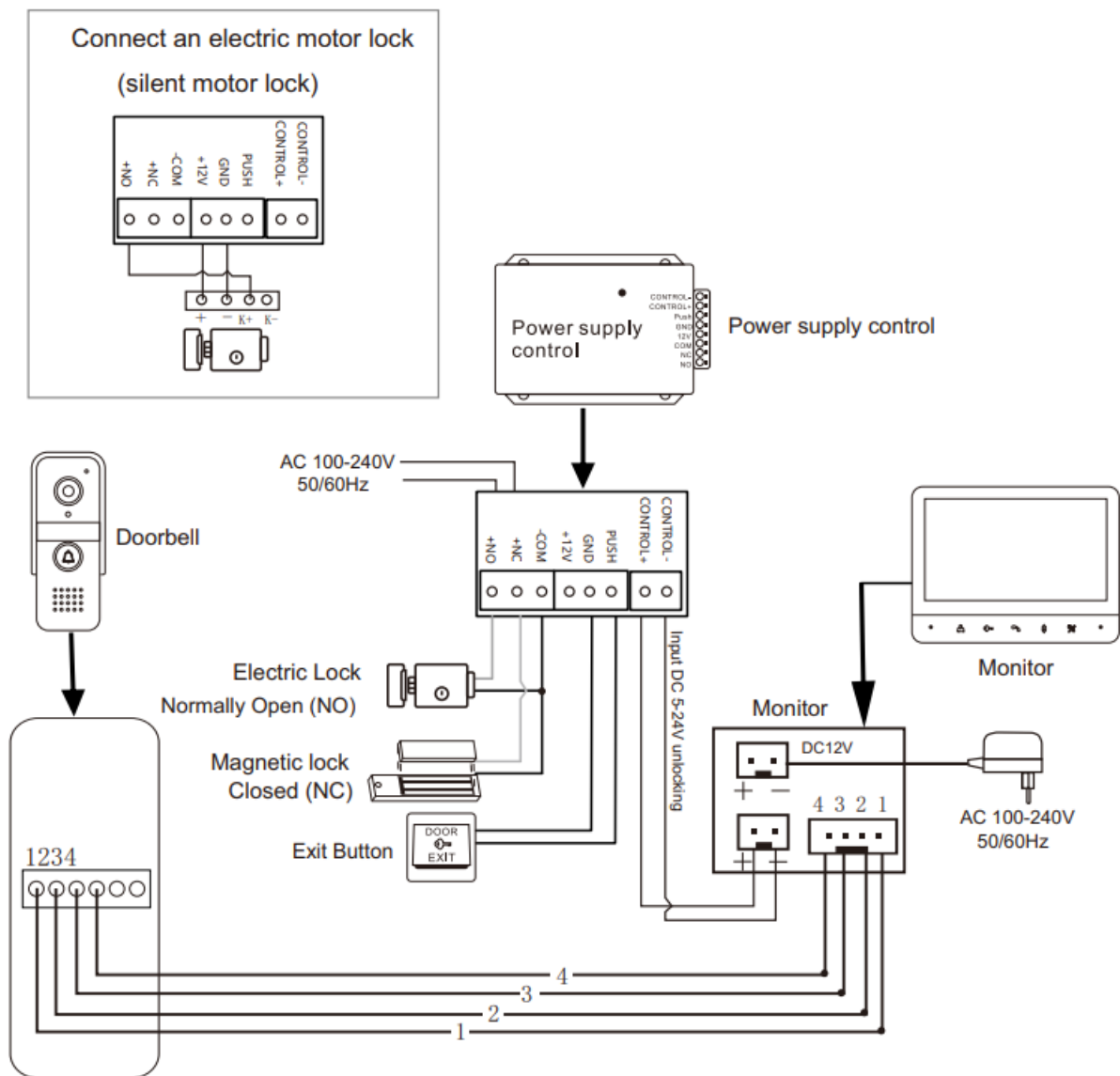Method 2: Power the ele ctric lock with power supply control

Connect an electric motor lock (silent motor lock)
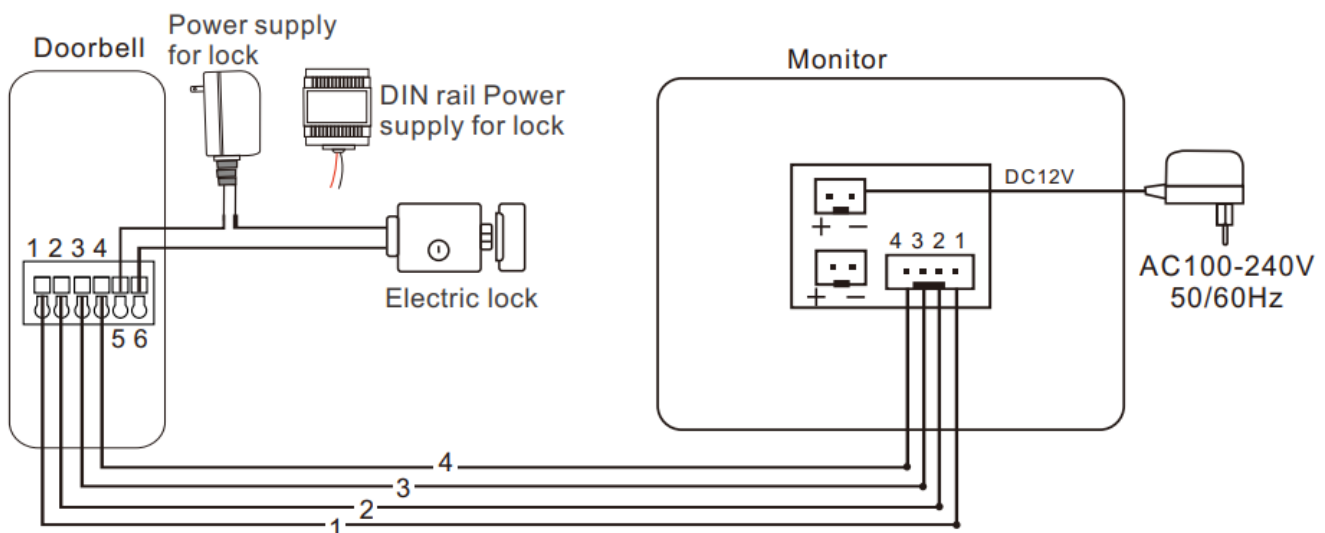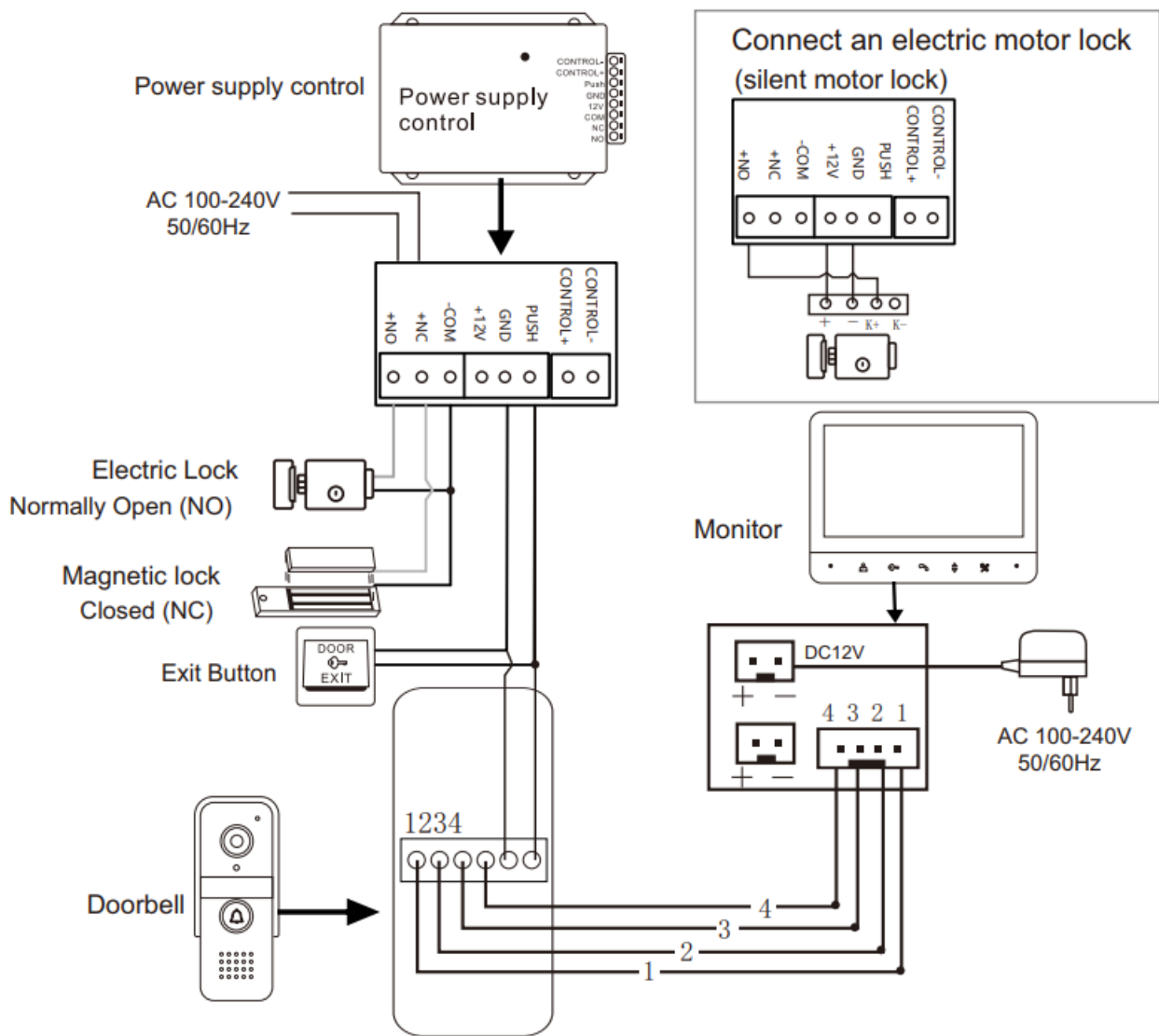
Connect the electric lock to Monitor

Method 1: Power the electric lock by the monitor (DC 12V NO lock only)

**Method** 2: Power the electric lock with power supply control

Connect an electric motor lock (silent motor lock)

+NO +NC -COM +12V GND PUSH CONTROL+ CONTROL-

+ − K+ K−

Power supply control

Power supply control

CONTROL-
CONTROL+
Push
GND
12V
COM
NC
NO

Doorbell

AC 100-240V 50/60Hz

+NO +NC -COM +12V GND PUSH CONTROL+ CONTROL-

Electric Lock Normally Open (NO)

Magnetic lock Closed (NC)

Exit Button

DOOR EXIT

Input DC 5-24V unlocking

Monitor

Monitor

DC12V

+ −

4 3 2 1

AC 100-240V 50/60Hz

1234

4
3
2
1

Scan QR code for tutorial video

Installation Instruction

Outdoor unit installation

1. Fasten the rain shade on the wall with screws. (1.4-1.6m high from the ground, screw size: 4*30BA)
2. Connect the wires according to the wiring diagram.

3. Fix into the rain shade and fasten the bottom with screws.
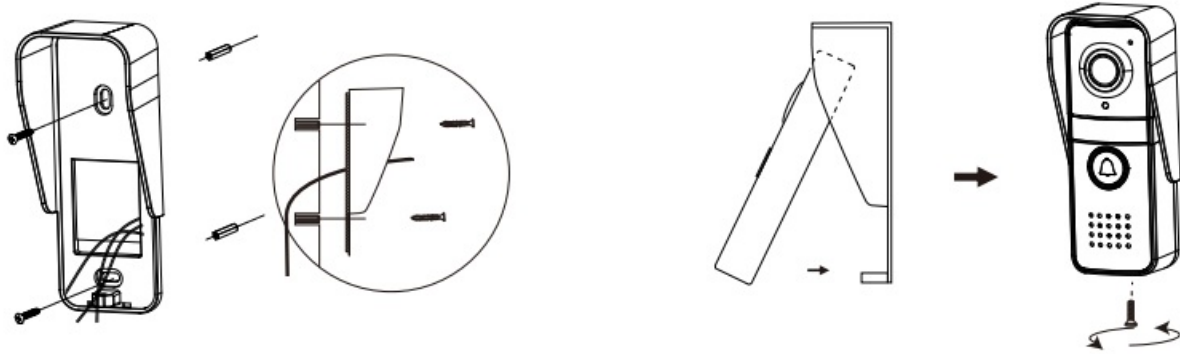
Indoor unit installation

1. Fix the bracket on the wall with screws.(1.4-1.6m high from the ground)
2. Connect the wires according to the wiring diagram.
3. Hang on the bracket.
4. Connect to power source.
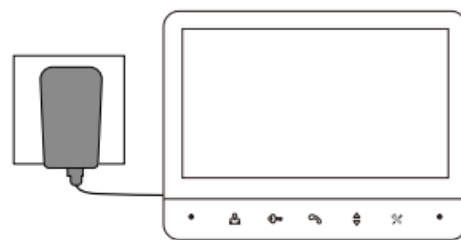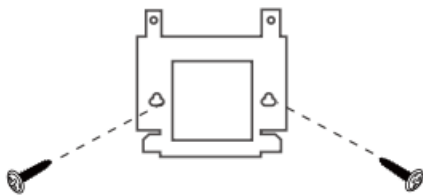
NOTE:

- Turn off the power before wiring.
- If the product doesn't work after installation, check if wires are connected properly and securely.
- Use a slightly damp soft cloth to clean the camera or screen.
- The outdoor unit must not be directly exposed to sunlight.
- If it is unable to unlock, check if wires are connected properly and securely. Also, make sure the voltage for unlocking is sufficient.
- The image quality may be interfered by strong electromagnetic signals, therefore, when using the product, avoid the electromagnetic sources such as motor and transformer and make sure the circumstance is barrier-free and no interference.

Function Keys and Operation Instruction

Indoor unit
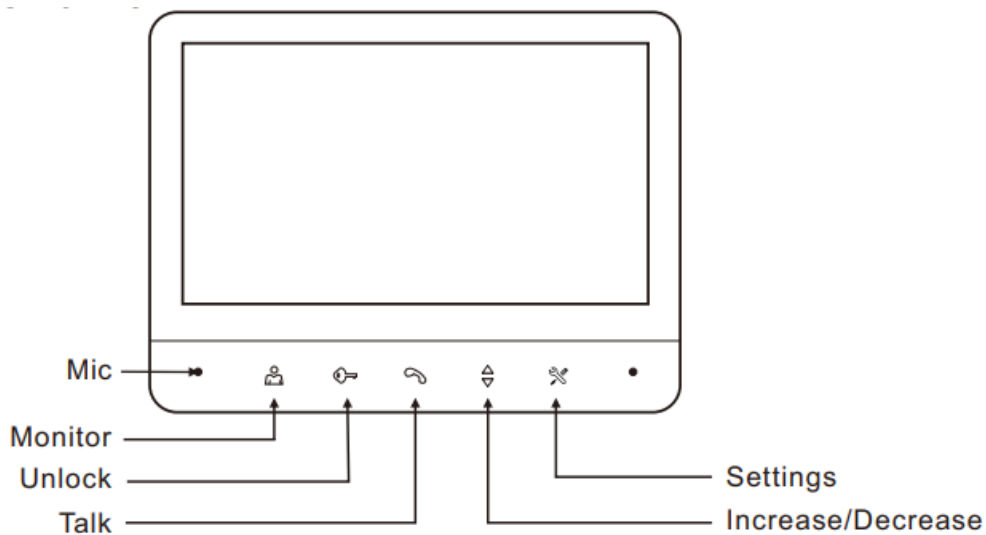
- 1) When the visitor presses CALL Button on the outdoor unit, the indoor unit will ring and display the visitor's image on the screen. Press TALK ( ) button on the indoor unit to talk with the visitor. The talking time is 120s. During the 120s, you can:
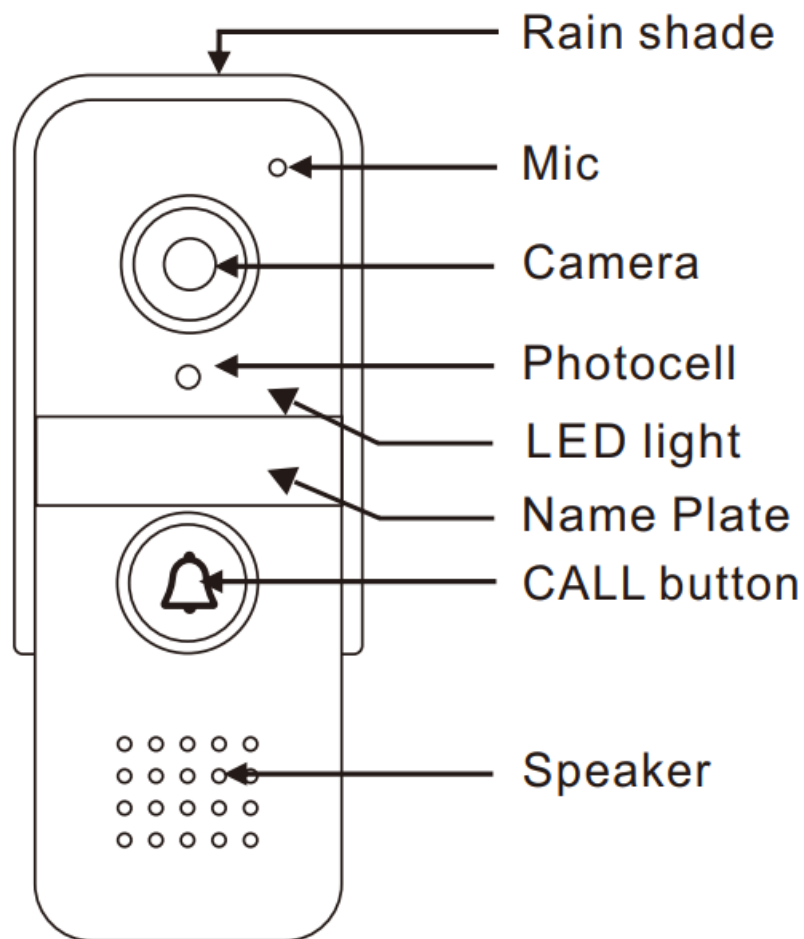
  • Press **UNLOCK** ( ) button to release the electric lock.

  2) Press **MONITOR**( ) button to monitor the outdoor unit, the monitoring time is approx. 40s, press again the button to exit.

  3) Press **MONITOR**( ) button and then **TALK**( ) button to see and talk to the someone in front of the outdoor unit. After, press again **TALK**( ) button to exit.

- 4) Ringtone, ringtone volume, talking volume, brightness and chroma settings as below:
  • In the monitoring or calling status, press the ( ) button, the settings option will be displayed at the upper right corner of the screen, you can continuously press the setting button to go through the cycle "Ringtone Setting ♫ -> Ringtone volume setting ◀♫ -> Talking volume setting ◀☎ -> Brightness setting ☀ -> Chroma setting 🎨 -> Exit".

Outdoor unit

Rain shade
Mic
Camera
Photocell
LED light
Name Plate
CALL button
Speaker

Documents / Resources

	tmezon MZ-V20 4 Wire Connected Video Intercom Wired Video Intercom Kit [pdf] User Manual V20, MZ-V20, MZ-V20 4 Wire Connected Video Intercom Wired Video Intercom Kit, MZ-V20, 4 Wire Connected Video Intercom Wired Video Intercom Kit, Video Intercom Wired Video Intercom Kit, Intercom Wired Video Intercom Kit, Video Intercom Kit, Intercom Kit, Kit

References

- **User Manual**