WICOMM

Model:RW232M

Installation and Reference Guide

RISCO GROUP

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1. Introduction

This easy to install, "out-of-the-box", system utilizes cutting-edge technologies to protect your home or small business against intrusion and safety hazards.

Easy to operate and robust, your security system is designed to provide you with peace of mind. Even during a power outage, it keeps fully working, monitoring, and providing alarm notifications.

System configuration and control is performed on-site or remotely using a wireless slim keypad, a remote control or keyfob, a mobile device (smartphone or Tablet PC) running the Android or iOS operating system, or a computer / laptop running a browser-based Web application. If using a motion detector with Smartphone and Web application users can also remotely view real-time images of the secured premises upon alarm activation, or at any given time. This "visual verification" feature can help you determine whether an alarm is false or real. In addition, 24/7 monitoring of your system can be available through security-monitoring services.

1.1. Expanding your System

This kit contains all the necessary components required to operate your security system, however you can enhance and customize your system by adding additional detectors and accessories. Your system can be expanded to a total of 32 detectors, 8 keyfobs, 3 wireless slim keypads, and 3 alarm sounders.

Note: It is recommended to include additional devices before starting the self-installation process.

1.2. Self-Installation

For basic and simple installation, use the RISCO Express Programming Tool that walks you through and explains step-by-step on how to program and install the system and connect to the Cloud and the Monitoring Station.

From a computer with an internet connection and a web browser, follow the instructions from URL: http://riscocloud.com/express.

2. Kit content

Main unit

FCC-ID JE4RW232M915
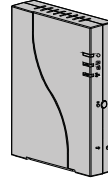
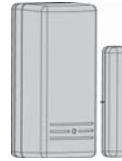Wireless Keypad

FCC-ID JE4RW132KLXP1356

Remote Control (optional)
FCC-ID JE4WL132KF1915

Magnetic Contact (sensor and
magnet)
FCC-ID JE4RWT6F915

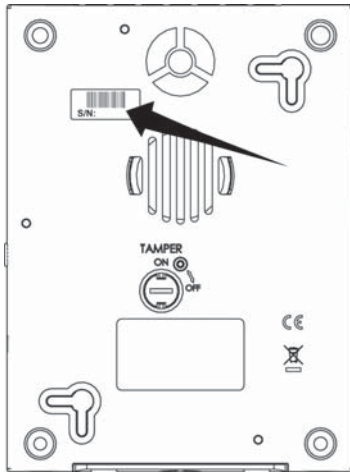PIR Camera (Passive Infra Red)

FCC-ID JE4RWX95915

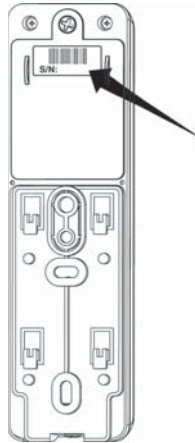Batteries, screws, plugs and
double-sided tape

Write down all Serial numbers (S/N) that shown on the supplied components:

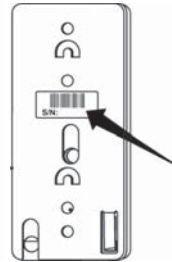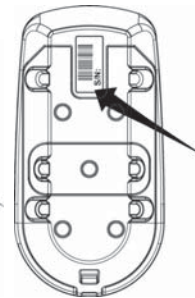| Product	Serial number (S/N)

WiComm Panel   WL Keypad   Magnetic   PIR Camera
Contact

3. Installation

Before mounting the units prepare a plan for placing the elements at your premises. Correct alarm system component placement is crucial for efficiently securing your home. Before installing the security system, map out which areas need to be protected, decide where de sensors and detectors has to be located. For this follow the guidelines of each accessory. If you need more components you can order these via our website. Follow the guidelines of each accessory to choose the best location

Note: Usage of double-sided adhesive tape for mounting decreases the security level.
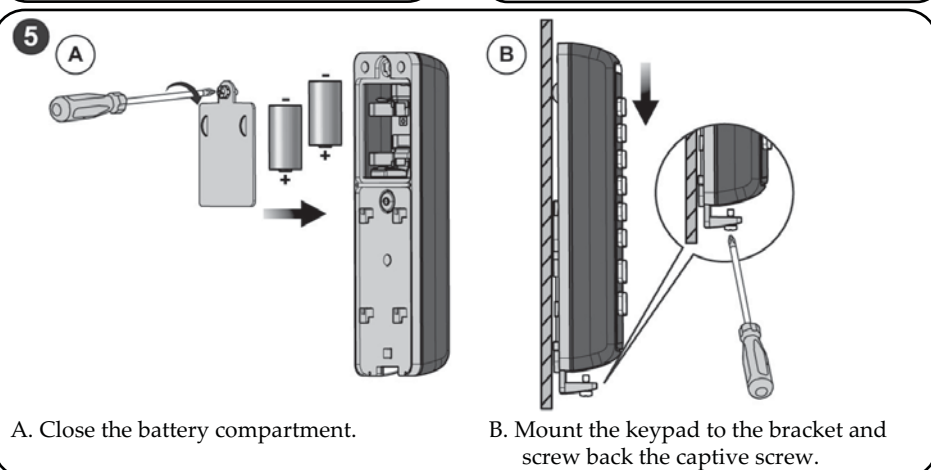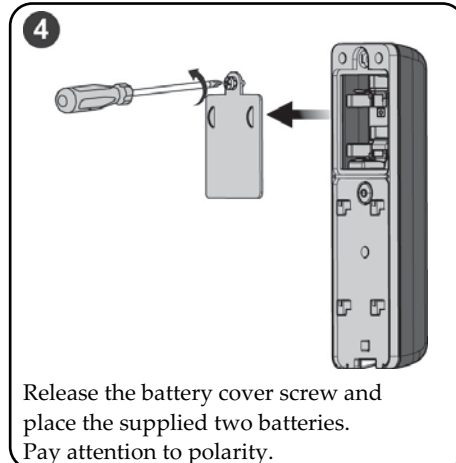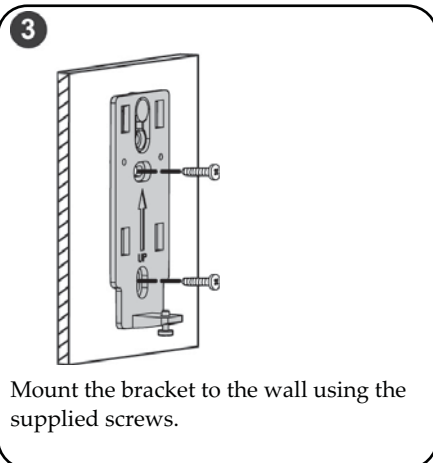
3.1. Keypad

The keypad should be placed close to the most frequently used door. Mount the keypad inside the premises in a location near the front entrance.

Mounting Considerations:
1. Mount the keypad at a distance accessible within 30 seconds after opening a door or have enough time to switch off the alarm upon entering or leaving the premises after setting your alarm
2. Place the keypad out of sight of would-be intruders
3. Good communication with the main security system.

Installation instructions and drawings are on the next page

Installation:

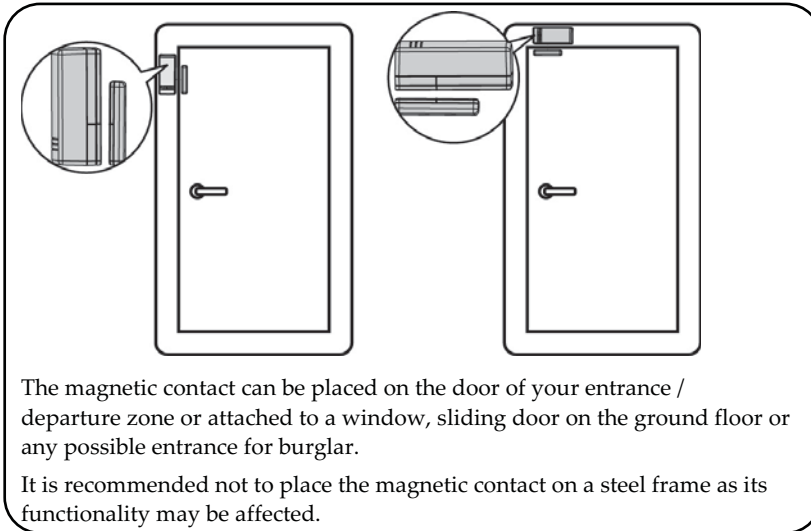|	
① Release the mounting bracket captive screw.	② Separate the mounting plate from the keypad's main unit.
③ Mount the bracket to the wall using the supplied screws.	④ Release the battery cover screw and place the supplied two batteries. Pay attention to polarity.
⑤ Ⓐ A. Close the battery compartment.	Ⓑ B. Mount the keypad to the bracket and screw back the captive screw.
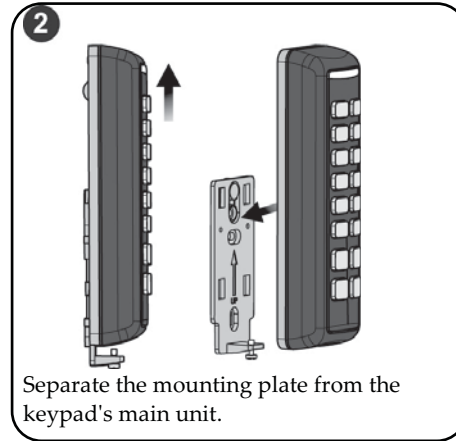
3.2. Magnetic Door Contact

The magnetic contact can be placed on the door of your entrance / departure zone or attached to a window, sliding door on the ground floor or any possible entrance for burglar.

It is recommended not to place the magnetic contact on a steel frame as its functionality may be affected.

Mounting Considerations:

The magnetic contact can be mounted horizontally or vertically.

You are recommended to put the sensor (a) on the fixed part (door frame, window frame) and the magnet (b) on the moving part (door, sliding window).

When installed, align the sensor and the magnet according to the marks on the plastic.

The distance between the sensor and the magnet should not exceed 1 cm.

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Contact Installation:

Sensor parts:
1. Sensor housing unit
2. Mounting bracket
3. Mounting plate.

❶

Slide down to separate the mounting plate (while pushing the housing unit up).

❷ Screw mounting **Or** Adhesive strips mounting (on clean surface only):

Affix the mounting plate to the door / window frame.

❸

Ⓐ   Ⓑ

A. Open the front cover using a flat-headed screwdriver. Snap-in the battery.
   Pay attention to polarity.
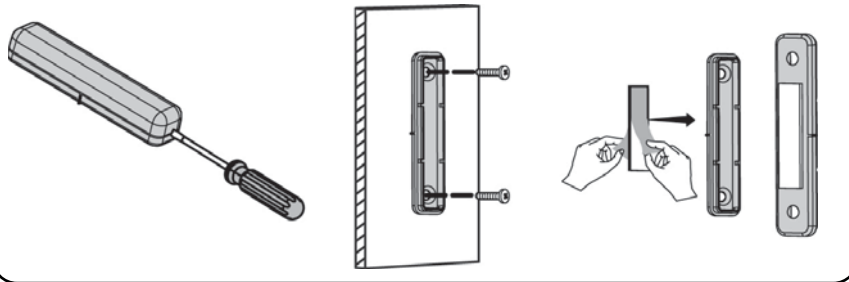B. Close the mounting unit.

Magnet Installation:

Mount the magnet, first open the front cover using a flat-headed screwdriver.
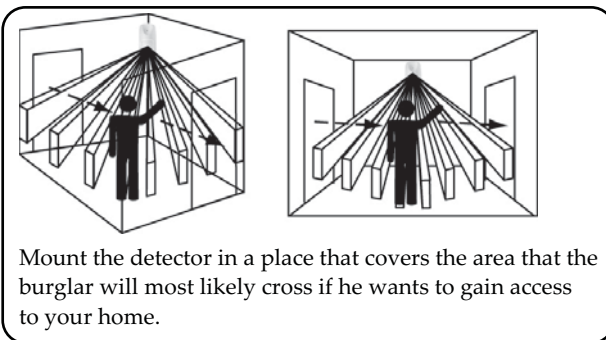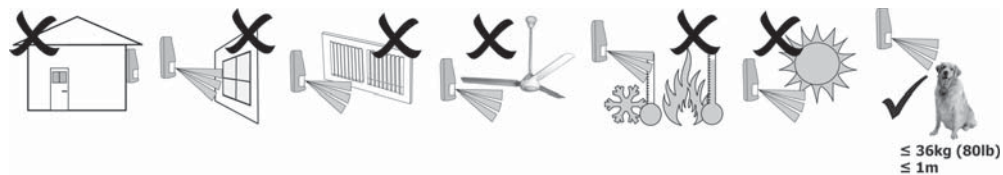
Screw mounting **Or** Adhesive strips mounting

3.3. PIR Camera

The Wireless motion detector detects movements in combination with heat for a range of up to 15m indoor. In addition, it is 'pet-friendly meaning it will not activate any alarms for small pets (of weight less than 36 kg and height less than 1m).

Mounting Considerations:
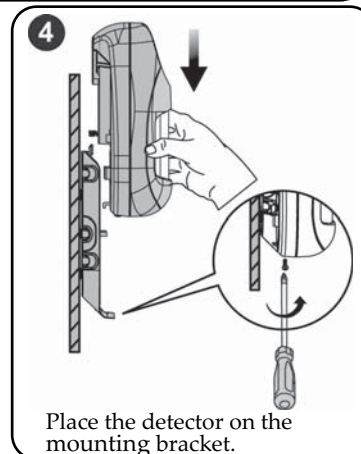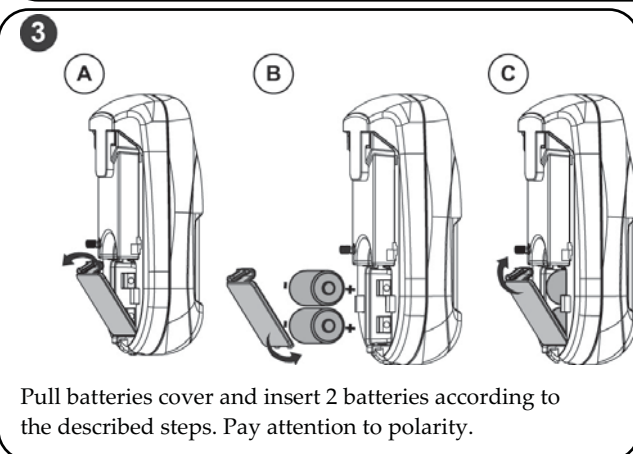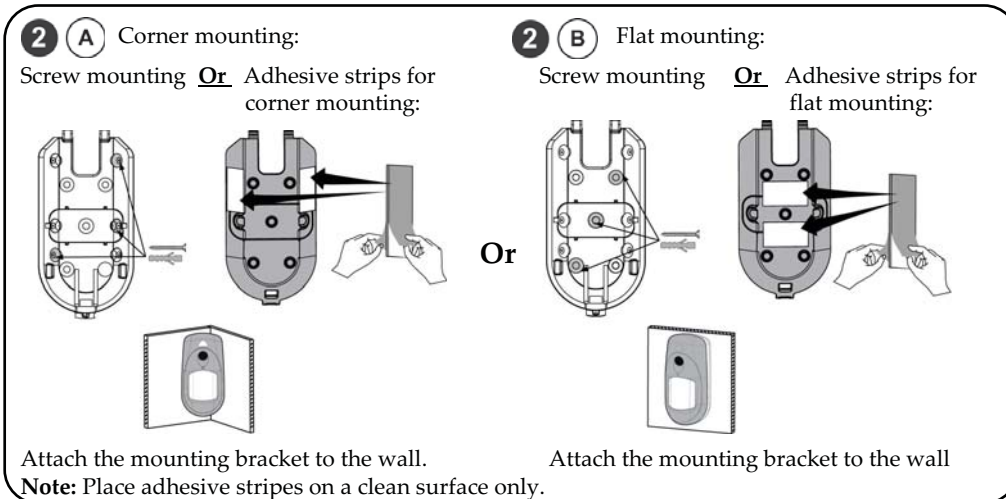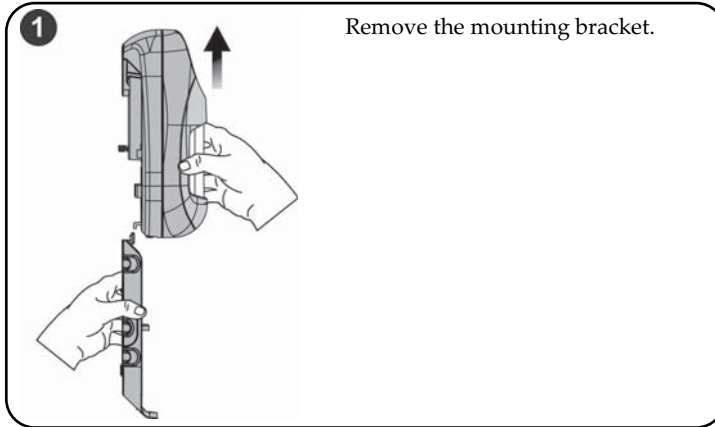
≤ 36kg (80lb)
≤ 1m

Mount the detector in a place that covers the area that the burglar will most likely cross if he wants to gain access to your home.

Note: In small areas, such as small kitchen, mount the detector on 2m height.

Installation:

1 Remove the mounting bracket.

2 (A) Corner mounting:

Screw mounting **Or** Adhesive strips for corner mounting:

Attach the mounting bracket to the wall.
Note: Place adhesive stripes on a clean surface only.

Or

2 (B) Flat mounting:

Screw mounting **Or** Adhesive strips for flat mounting:

Attach the mounting bracket to the wall

3 (A) (B) (C)

Pull batteries cover and insert 2 batteries according to the described steps. Pay attention to polarity.

4

Place the detector on the mounting bracket.

3.4. Main Unit

The main unit can be placed on the table or mounted to a wall. Consider the following for the location of the main unit:

Mounting Considerations:

- ❖ Try to centrally locate the system between all the transmitters
- ❖ Not visible from the outside
- ❖ Locate the main unit in a protected area
- ❖ Unreachable for small children
- ❖ In a place where the alarm can be heard during Home Arming mode.
- ❖ Near 120V/60Hz AC outlet
- ❖ In place where GSM signal is good (📶 LED lit in green)
- ❖ In case IP connection is used, locate the main unit close to the home router / wall IP connection
- ❖ Do not mount near:
  - o Direct heat sources
  - o Electrical disturbance such as computers, televisions etc.
  - o Large metal objects, which may shield the antenna

Placing the main Unit:

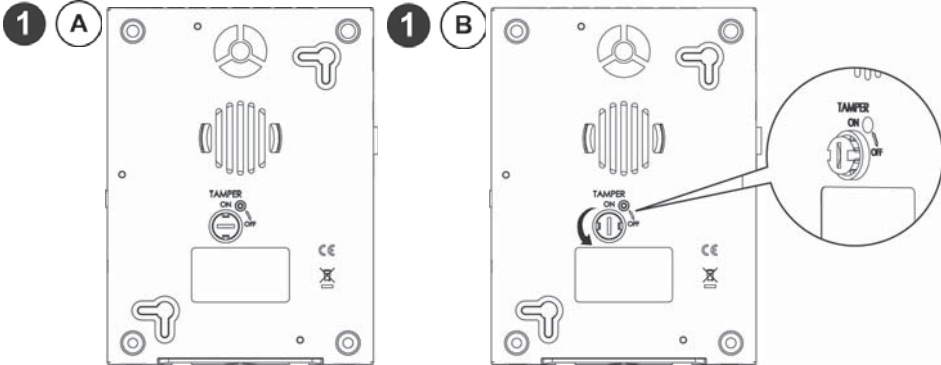The unit can be placed ether on a surface or be mounted on the wall.

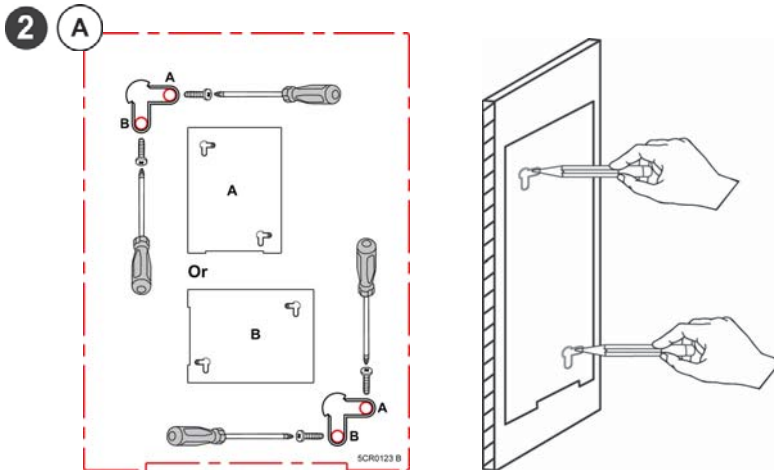| **For independent surface placement:**	
Place the security panel on a surface (e.g. table), adjust the feet of the security panel so that it is a stable horizontal positioning.	
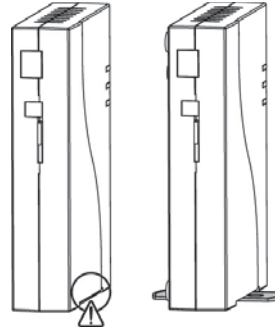
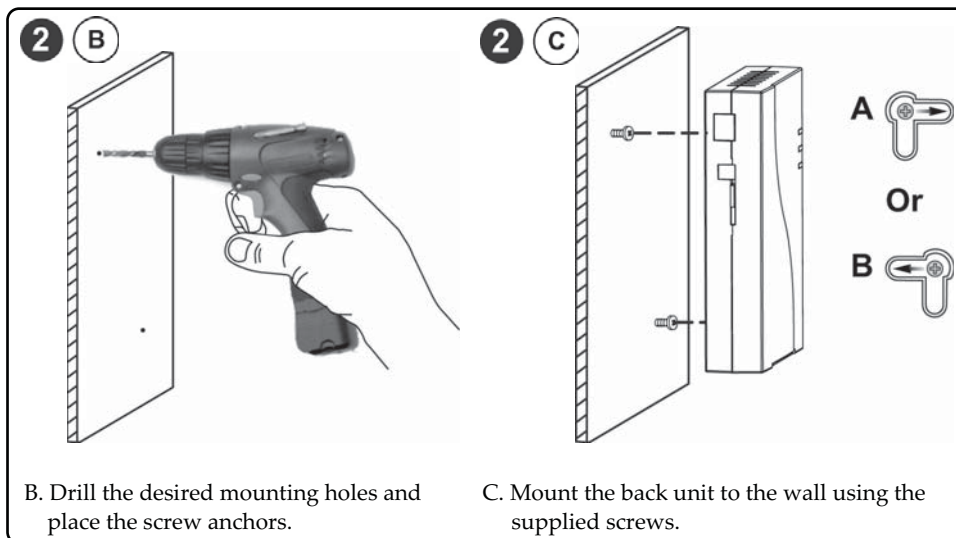**For wall mounting (horizontally or vertically):**

1. Before mounting the main unit, switch the back tamper to ON position.

2. Mount the security panel on the wall following next steps:

A. Use the mounting pattern template to mark the location of the mounting holes.
   Make sure both marks are either A or B.

B. Drill the desired mounting holes and place the screw anchors.

C. Mount the back unit to the wall using the supplied screws.

Turning the system on:

1. Plug in the power adapter to your security system.
   Wait 10 minutes for the system to connect to the Server.
   Verify that the main unit LEDs are as following:

   ⏻ lit in Green.

   📶 lit in Green

If the 📶 LED is not green, please contact customer service for assistance.

The system should automatically establish communication with your alarm center.

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2. Go to section 4 for registration instructions.

4. Registration

The following steps can be used to register your new home security system using the internet. After completion you will be able to define your user according to your requirements. This includes adding accessories, creating security codes, adding contacts and defining who needs to be contacted in case of alerts.

4.1. Registration trough website

If you purchased this home security system online you should have already received an email containing your unique username and password. Go to the website and follow the online registration instructions.

If you purchased this home security system in a shop you are required to register with us. Go to the website, press Sign-up and create a username and password. This is necessary in order to create you personal environment. Login and follow the online instructions.

Once registered successfully you will receive a notice. If not, contact customer service.

4.2. Testing the home security system

In order to test the home security system, you will need to be logged into the system in order to deactivate the siren. You should also have a mobile phone close at hand.

Activate your security system using the keypad. After entering your user code, press the lock button.

Once the system is activated, open a door or window, or enter a monitored room, to see whether an alarm is triggered.
Note: The motion detector can take up to a minute after activation of the alarm before it detects motion.
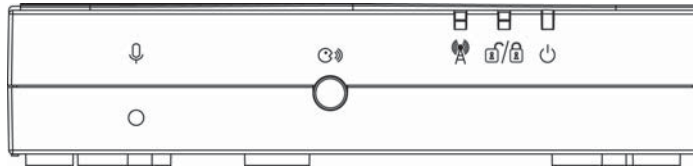
If you receive an alarm within a minute your security system works fine. If not, please visit the website

Deactivate your security system using the keypad (see quick guide). Check the website to see if the correct alarms are registered. If so then your security system has been installed correctly.

5. Using Your Security System
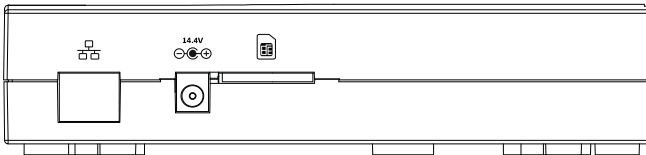
5.1. Main unit

Front View:

⊙))	Status Button Press 1 second: The system will play local status messages
🎤	Microphone (not in use)

Rear View:

🖧	Ethernet connection
14.4V ⊝◉⊕	Power Adaptor connector
🗄	SIM Card slot.

Understanding the LEDs:

LED	Color	State	Status
⏻ Power LED	**Green**	ON	Power OK
	Red	ON	AC trouble (check power cable connection)*
	Orange	ON	System battery trouble*
🔓/🔒 Status LED	**Red**	ON	System armed (Away or Night mode)
		rapid flash	Alarm
		slow flash	System is in entry/exit delay before disarming/arming the system
	Green	ON	System ready
		slow flash	System in Exit delay with front door open
	Orange	ON	System Trouble*
		OFF	System not ready for arming
📶 Communication LED	**Green**	ON	GSM/IP OK
		slow flash	GSM/IP connecting
	Orange	slow flash	GSM/IP error
All LEDs	**Orange**	Slow flash	Battery replacement mode (service mode)
	Green	Sequence flash	RF Learn mode

5.2. Keypad

LEDs Indicators:

Color	State	Status
Blue	Blink	During communication with the panel
Red	On	System fully or partially armed
	Slow flash	During Exit delay
	Rapid flash	During Alarm
Green	Blink	Trouble indication in the system while the system is unset*
Green/Red	Toggle	Waiting for code to be entered.

Blue Red Green

* Contact customer service.

Keypad Operation:

Function	Operation
Full Arming (Leaving the premises)	Press 🔒 Away arming–prepares all of the system's intrusion detectors to activate an alarm if violated, and is used when leaving the premises. Once you have armed the system, exit via the designated final exit door.
Stay at Home arming (Night mode)	Press 🏠 Stay arming–activates only part of the detectors, enabling users to remain inside pre-defined parts of the premises while the system is partially armed. This should be programmed using the web application.
System Unset (Coming back home) or Silence an Alarm	Press 🔓 followed by code
Panic alarm	Press buttons ①+② simultaneously for two seconds. Panic alarms enable you to send a message to the Alarm Receiving Centre in the event of an emergency. A panic alarm is always a silent alarm, meaning the keypad gives a confirmation beep but locally there is no audible siren produced.
System Status	Press #? for two seconds and the main unit will announce a voice message with the current system status.

5.3. Remote Control (optional)

Full Arming (Leaving the premises)	Press 🔒
Full Disarm (Coming back home)	Press 🔓
Stay at Home arming (Night mode):	Large round black button. ● Arm the system while staying inside the premises.
System Status	Small round button. When pressed the main unit will announce a voice message with the current system status.

5.4. Control with other devices

You can also control your alarm with mobile phone.

6. System Specification

Maximum number of zones   32
Units consumption   14.4Vdc ,1.5A
Backup battery   Included
Internal sounder intensity   80 dB (A) at 1m
Operating temperature   -10°c – 55°c
Dimension (HxWxD)   182mm X 135mm X 40mm
Frequency   915Mhz ,916Mhz

Contains FCC ID:QIPEHS6
FCC ID: JE4RW232M915
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 to this equipment which are not expressly approved by the party responsible for compliance (RISCO Group's.) could void the user's authority to operate the equipment.

FCC Note

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 on and off, 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 the receiver.
- Connect the equipment into an outlet on to a different circuit from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

The distance between user and device should be no less than 20cm.

$C\epsilon$