HomeSafe-Basic

VT-PS99E

User's Manual

PSTN
Home Alarm System

VT TECH

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1. Product Overview:

VT-PS99E is a PSTN intelligent home alarm system. This LED display alarm system is equipped with PSTN technologies and suitable for both home and commercial use. It uses the PSTN landline networks with intelligent alarm system. It is a choice of stability, reliability, security, and user friendliness. Features are very practical, cost-effective, completed configuration and ease of use. This LED display alarm can integrate with a lot of alarm accessories including door sensor, smoke detectors, gas detectors, emergency buttons and other accessories to build a powerful security setup. It has been widely used in homes, factories, schools, shops, convenience stores, financial and banking workplace, community centre and residential area to provide protection to valuable assets.

2. Main Functions & Features

VT-PS99E has the following main functions and features:

- ➲ 99 Wireless Zones with LED display
- ➲ PSTN telephone line
- ➲ LED indicator Arm/Disarm/Stay arm/Alarm/Setting
- ➲ Password protection function
- ➲ 5 groups of call phone number and SMS number, 1 group of emergency phone number and SMS number
- ➲ 0-99secs. delay alarm setting
- ➲ 0-99secs. delay arm setting
- ➲ 0-30mins. Siren ringing time setting
- ➲ Ringing times setting
- ➲ Stay intelligent arm
- ➲ Multi-Zones Triggered Mode (2 or more than 2 zones)
- ➲ Repeat triggered alarm function(sensor alarm after triggered twice)
- ➲ Telephone line tampering
- ➲ Remote control the VT-PS99E to stop the siren sound or start the siren sound
- ➲ Remote Monitoring/Arm/Disarm

3. For Your Safety

Read these simple guidelines. Not following them may be dangerous or illegal.

Proper Connection	When connecting with other device, read carefully its manual so as to carry out correct installation. Do not connect it to other incompatible devices.
Qualified Accessories	Use only original parts and peripheral equipments to avoid damage to VT-PS99E.
Water Resistance	VT-PS99E is not water resistant. Keep it dry. Install it inside the house
Confidential Phone Number	For safety reason, do not tell other people the mobile phone number of your VT-PS99E without taking precautions of security settings.

4. VT-PS99E Characteristics

Items	Specification
Power Supply	DC12V / 1A
Backup Battery	Ni-Hi AAA*6 DC7.4V
Standby current	<35 mA
Alarm current	<450 mA
Wireless frequency	433MHz
Support wireless sensors	EV1527/300K 2262/1.5-4.7M
Wireless distance	100m open
LED screen	display time/Arm/Disarm/Stay arm/Alarm/Setting
Operating temperature	-10° to 50°C
Humidity	5% to 95% Non-condensing
Dimension	33*25*7.5cm
Weight	1.2Kg

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5. Getting Started
This section will describe how to set up your TEL99E.

5.1 Standard Package List
TEL99E is supplied in a box which includes:

PIR Detector	Door Sensor	Remote Controller	Telephone Line
PIR Bracket	Adhesive Paper	Siren	Power Supply
User Manual	Main Host	Package	Color Box

5.2 View

Front View   Side View   Back View

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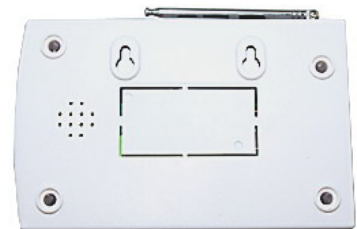
5.3 Functional Parts

| LED screen display	
SF	ARM
BF	INTELLIGENT ARM
CF	Disarm
99	Emergency alarm
F1	Telephone line disconnect
F3	No add sensor
1-98	Alarm zone display
LED indicator	
POWER	Power LED light, power supply working normal
ALARM	Alarm LED light, alarm system alarm
SET	SET LED light, the alarm system into setting status
PHONE	PHONE LED light, access telephone line work normal
Microphone	Personal remote monitoring
Function keyboard	
ARMING	ARMING LED light, the alarm system into arm status
INTELLIGENT	INTELLIGENT LED light, the alarm system into intelligent status
DISARMING	DISARMING LED light, the alarm system into disarm status
ALARM	ALARM LED light, the alarm system into alarm status
Digital Keyboard	Setting alarm system function

Battery ON/OFF Switch — Telephone — Telephone outside line
Siren Connector — Power Input Connector — Wireless Antenna
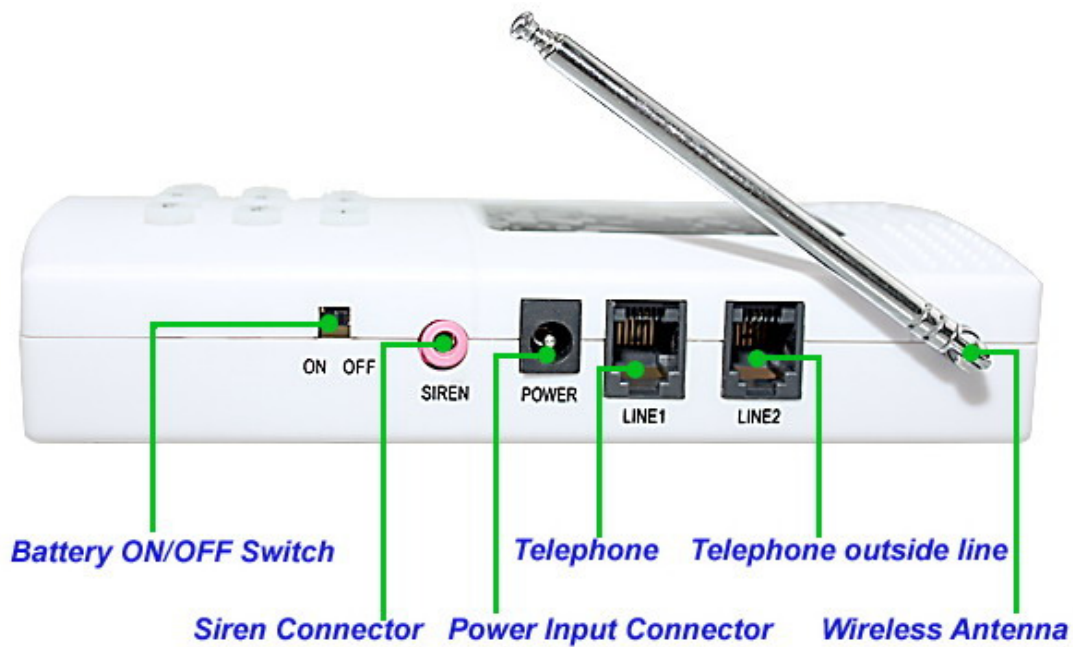
Antenna	Wireless antenna
LINE1	Connect LINE1 to telephone uses telephone wire of standard package list
LINE2	Connect LINE2 to telephone out line
POWER	Connect DC12V adapter uses power adapter of standard package list
SIREN	Connect siren uses siren of standard package list
ON OFF	Power on battery or power off battery

5.5 Sensor Installation:

Door sensor

The door/window magnetic sensor has two parts. The small part is the magnet to be mounted on the door and the others, the sensor is to be mounted on the frame of the door. The sensor will activated will send the wireless signal to controller immediately when the two.

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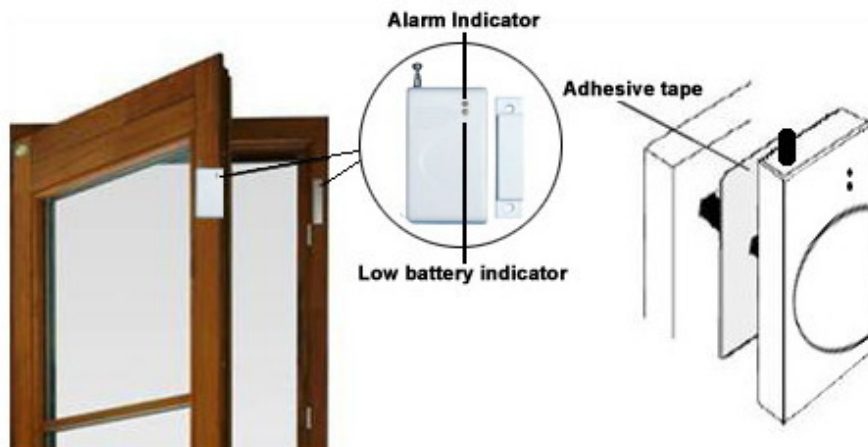
In some circumstances the wired & wireless Infrared Fence detector is more appropriate than magnetic sensors.
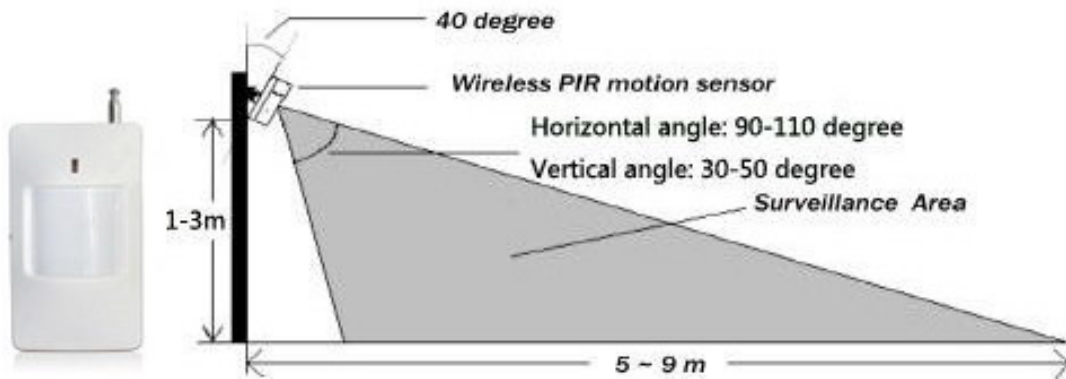
Wired or wireless glass break detector:

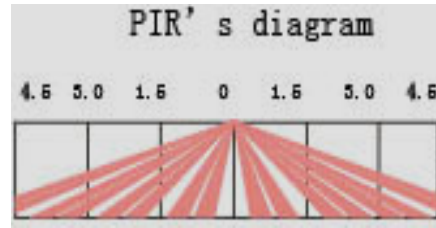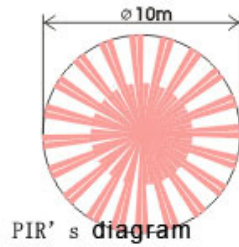**Wireless scroll steel door magnetic sensor**:
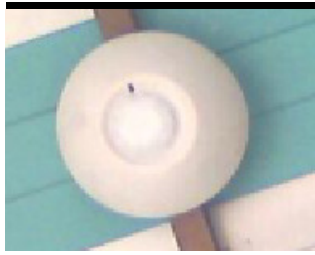

Install PIR motion sensor:

A Passive Infra-red (PIR) Sensor is an electronic device that detects the motion or movement of some person or animal by sensing the heat emitted from the body.
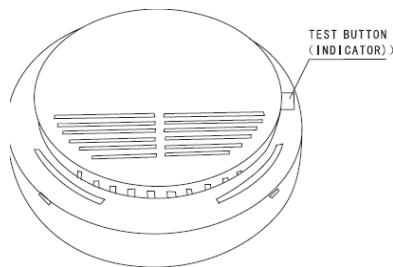
Installation:

The installation of wireless ceiling PIR sensor

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Smoke/gas detectors:

a) Wired or wireless smoke detector

This smoke detector detects smoke by a couple of infrared diodes, which is suitable for detecting the smoke in house, shop, hotel, restaurant, office building, school, bank, library and storehouse etc.

b) Wired or wireless gas detector

The product is ceiling mounted gas detector with high stability. It is used for detecting leaking gas and suitable for the safety of residential house, villas, hotels, boarding house etc.

Detecting the gas heavier than air: installation height from floor: 0.3m ~ 1.0m, semi-diameter to gas sources: ＜ 1.5m; detecting the gas lighter than air: installation height from ceiling 0.3m ~ 1.0m, semi-diameter to gas sources: ＜ 1.5m.

Open or close
manipulator
/Test button
Power LED (green)

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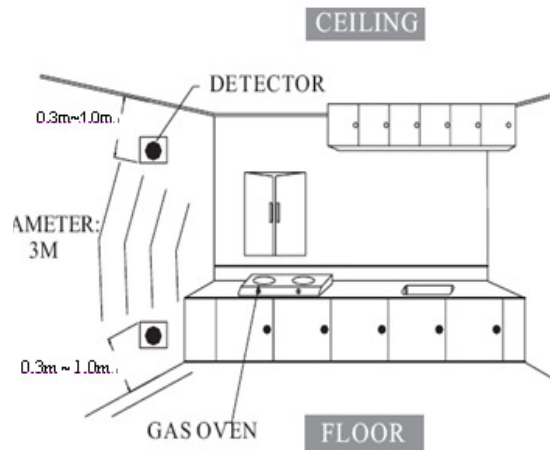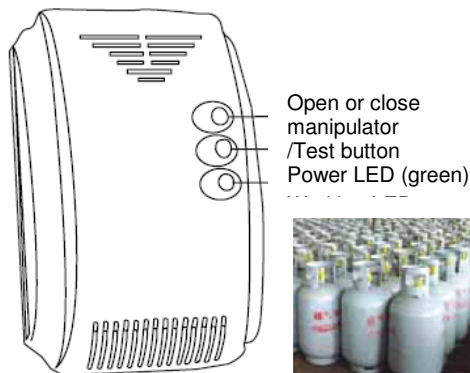
Wired alarm zones

The alarm system have DC12V output, it can be used to supply the voltage for the wired sensors.
The alarm system support two wired zones L1/L2 are the 2 wire alarm inputs.
Note: The wired zone support NO/NC wired sensor.

6. Operation Instructions: *the factory password is: 0000*

- A long beep sound for all the proper operations

- Two short sounds for wrong settings.

6.1 Password: Open/Close password protection function, Change user's password
Command: *11*   Password protection enable
Command: *10*   Password protection disable
Command: *7xxxx*   Password modification;
                        Ex: new password 8888 enter command *78888*

6.2 Siren alarm sound enable/disable:
Command: #00#   disable siren alarm sound
Command: #01#   enable siren alarm sound   A

6.3 Set up alarm calling telephone numbers:
Command: #NTTTTT#
Description:
    A maximum of 6 numbers can be entered to the system:

- **N:** value 1 to 6 (1 is the first input number and when there is an alarm condition the number is called first)
- **TTTTT:** is the phone number to be dialed (maximum 13), please enter it as you would make the phone call dialing.
- **Ex:** #18005558888# system will call this number 800555888 when there is an alarming condition.

6.4 Delete alarm calling telephone numbers:
Command: #N#:
Description:
            N (1-6):   delete the entering telephone number.

6.5 Siren alarm sound time out:
 Command #9xx#
Description: **xx**= 00-30 (minutes) ex: #95#, When alarming: the siren will sound 5 minutes.

6.6 Alarming delay:
Command: #7xx#
Description: **xx**= 00-99 (seconds) ex: #730#, the system will alarm after sensor is triggered 30 seconds.

6.7 Arming delay:
Command: *4xx*
Description: **xx**= 00-99 (seconds) ex: *430*, the system will auto ARMING after press ARM key 30 seconds.

6.8 Remote telephone ringing times:
Command: *6x*
Description: **x**= 0-9 (seconds) ex: *63*, if will automatically get through after ringing 3 times,
 60, means no ringing times.

6.9 Siren sound feedback when using the remote control:
Command: *21*
Description: The siren will have a short feedback sound when you press remote control

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Command: *20*
Description: The siren feedback sound is off when you press remote control, only have buzzer sound.

6.10 Buzzer sound on/off:

Command: *99*   The buzzer sound: OFF
Command: *98*   The buzzer sound: ON.

6.11 Register and Delete remote controller/sensors:

Register Remote controller:
Command: *0*
Description: After pressing *0* on the alarm panel keyboard, then press any button of the remote controller within 10 seconds. A long "Beep" sound means successfully.

Register Sensor:
Command: *01*
Description: After pressing *01* on the alarm panel keyboard, then trigger the sensor within 10 seconds. A long "Beepi" sound means successfully.

Command: *03*
Description: Learning wireless keypad.

Assigning Zone Number;
Command: *8xx*
Description: xx = 00-99 zones number, ex: *816*, assign the register sensor to zone 16.

Delete all Remote Controllers
Command: *02*
Description: Delete all of the remote controllers

Delete all Sensors
Command: #8996#
Description: Delete all detectors.

6.12 Zone mode settings:
Com**mand: #8xxA#**
Description:
        xx = 00-99 (zone number);
        A= zone mode (0-7) 8 modes
                0: Bypass mode: The selected zone is disabled at all time
                1: Common mode: The selected zone is active when the system is arming
                2: Intelligent mode: The selected zone is disable when system INTELLIGENT ARMING
                3. Emergency mode: The selected zone is active at all time even the system is not arming
                        i.e; Smoke, Gas, Heat, Emergency panic sensors, …
                4. Multi-Zones Triggered Mode: The selected zone is assigned to the Multi-Zones mode and
                    the alarm condition is triggered when 2 or more zones in this mode are active within 30
                    seconds.
                5. Delay-alarm mode: When the selected zone is active the system will enter the delay
                    alarm mode.
                6. Repeat triggered mode: when the detector in the selected zone is triggered once, the
                    system will not alarm immediately, only when it is triggered again within 30 seconds after
                    the first trigger, the system will alarm.
                8. Doorbell mode: The control panel will sound "ding dong" as the doorbell when the
                    selected zone is active.

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6.13 Alarm event history:
Command: x
Description: x = **(0-9)** press key 0~9 to inquiry the latest 10 alarm events and display alarm defense area (0 means the most recent event).

6.14 Telephone line tampering detection:
Command: *51* Description: the system will alarm when telephone lines disconnect or failure
Command: *50* Description: the system will not detect telephone lines disconnection or fault.

7. Remote Controller (Key fob) Description
7.1. Set up Arm

Press "🔒"button on the remote controller, and the LED display "SF", means system "Armed".

7.2 Set up Disarm

Press "🔓" button on the remote controller, and the LED display "CF", means system "Disarmed".

7.3. Emergency Alarm

Press "🔔"button on the remote controller for emergency help, And the LED display "99".

Press"🔔"button on the remote controller one time is silent alarm, while press "🔔"button twice or long time the siren will sound.

7.4. Intelligent Arm

Press "✓" button on the remote controller and the LED display "bF", means system "Intelligent Armed".

8. Remote Control the system:
You can use any telephone to dial the numbers of the system and it will put on automatically get through after system detecting the ring times you have been setup. When you hear the beep, input passwords (two sounds when the password is wrong, if the password input wrongly 3 times or no any operations within 20 seconds the phone will hang up automatically) and if it is correct, you can have remote control of the system, press # after accomplish all operations, then you can implement other operations and hang up telephone.

Press "1" to monitor (Press "1" again for monitor 20 seconds more.)

Press "2" to start the siren

Press "3" to stop the siren

Press "4" to arm

Press "5" to disarm

Press "#" to affirm and hang up

9. Handing Incoming Alarm Phone Calls
When sensors are triggered or emergency help, the alarm panel will dial up the setup telephone numbers automatically and give alarm rings based on settings. If the host's phone is in use or not able to connect, the system will dial next alarm phone, until it is dialed and hosts confirm. It will play records after receiving alarm phone and the operation methods are similar to remote setup.

10. Reset Factory Settings
Command:*80000*
Description: 0000 is default password (All settings will be cleared except all the registered sensors)

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11. Copyright and Disclaimer

12. Appendix A:

Operation Command List

Add or Delete sensor	Learning remote controller	*0*	
	Delete all of the remote controller	*02*	
	Learning detector	*01*	
	Learning detector to appoint zone	*8XX*	00-99 zones
	Delete all of the detector	#8996#	
Set up telehone numbers	Set up alarm telephone numbers	#1XXXXXXXXX# #2XXXXXXXXX# #3XXXXXXXXX# #4XXXXXXXXX# #5XXXXXXXXX# #6XXXXXXXXX#	XX....X telephone number
	Delete the telephone numbers	#1# #2# #3# #4# #5# #6#	
Function	Set up alarm delay time	#7XX#	0-99seconds
	Set up siren sound time	#9XX#	0-30 minutes
	Set up Arm delay time	*4XX*	0-99 seconds
	Set remote telephone ringing times	*6X*	0-9 times
	Set up siren sound for the remote control	*21* *20*	21 On 20 Off
	Set up the buzzer sound	*99* *98*	99 Off 98 On
	Set up volume of alarm siren	#00# #01#	00 No sound 01 Have sound
	Telephone line anti-cut function	*51* *50*	51 On 50 Off
Mode	Set up mode of zones	#8XX0# Bypass mode #8XX1# Common mode #8XX2# Intelligent mode #8XX3# Emergency mode #8XX4# Multi-Zones Triggered Mode #8XX5# Delay-alarm mode #8XX7# Repeat triggered mode	XX:00-99 zones
Password	Open/Close password protection function	*11* *10*	11 On 10 Off
	Input password	*0000*	
	Modify password	*+new password+new password*	
	Reset Factory Settings	*80000*	

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