

PSTN Home Alarm System

User Manual

Model: PST-TEL99E



Please read this user guide carefully before operation and installation.

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1. Product Overview

TEL99E 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

TEL99E has the following main functions and features:

- 99 Wireless Zones with LED display
- PSTN telephone line working ways
- 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 anti-cut function
- Remote control the TEL99E stop the siren sound or start the siren sound
- Remote Monitoring/Arm/Disarm
- Reset factory setting

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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 original parts and peripheral equipments to avoid damage to TEL99E.
Water Resistance	TEL99E is not water resistant. Keep it dry. Install it inside the house
Confidential Number	Phone For safety reason, do not tell other people the telephone number of your TEL99E without taking precautions of security settings.

4. TEL99E 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

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:



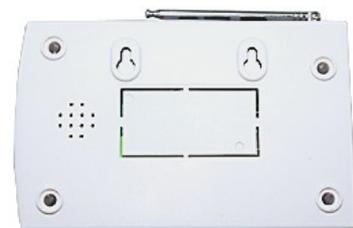
5.2 View



Front View



Side View

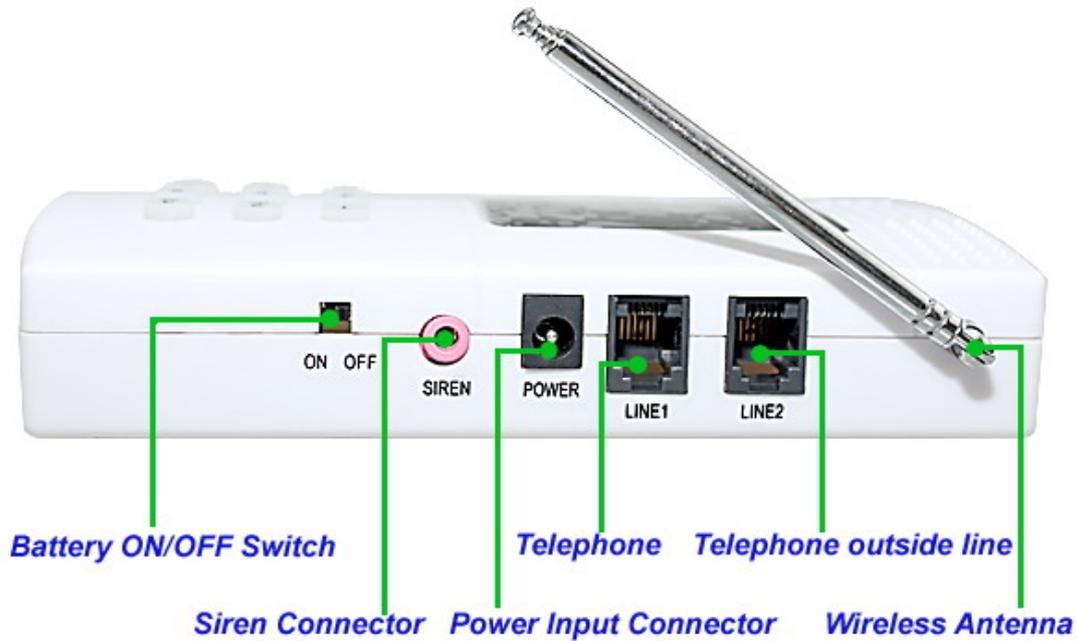


Back View

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 system into arm status
INTELLIGENT	INTELLIGENT LED light, the alarm system system into intelligent status
DISARMING	DISARMING LED light, the alarm system system into disarm status
ALARM	ALARM LED light, the alarm system system into alarm status
Digital Keyboard	Setting alarm system system function

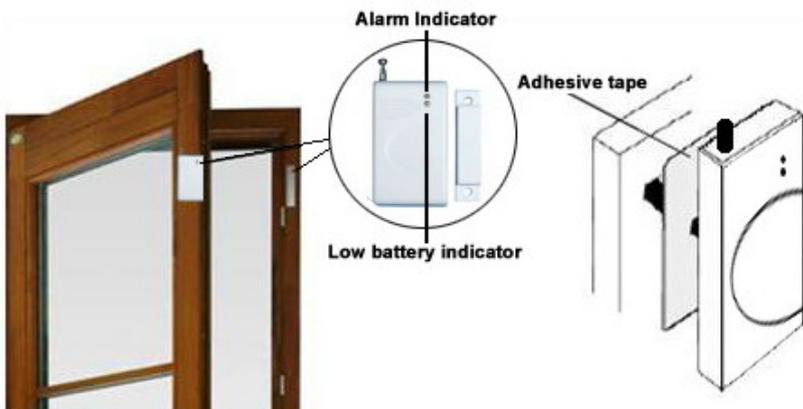


Antenna	Wireless antenna
LINE1	Connect LINE1 to telephone uses telephone wire of standard package list
LINE2	Connect LINE2 to telephone out line
POWER	Connect DC12V adapter uses power adapter of standard package list
SIREN	Connect siren uses siren of standard package list
ON OFF	Power on battery or power off battery

5.4 Install accessories
Install the Door sensor

The door/window magnetic sensor includes two parts. The sensor will send the wireless signal to main unit immediately when the two parts depart more than 10-30mm.

The picture of the installation is as follows,



In some circumstances the wired & wireless Infrared Fence detector is more appropriate than magnetic sensors. i.e. veranda, picture window balcony, boundary wall.



wireless glass break detector can also be used for window (see below)



The sensitivity is adjustable

Wireless scroll steel door magnetic sensor for scrolling steel door,

Installation: Please see below picture

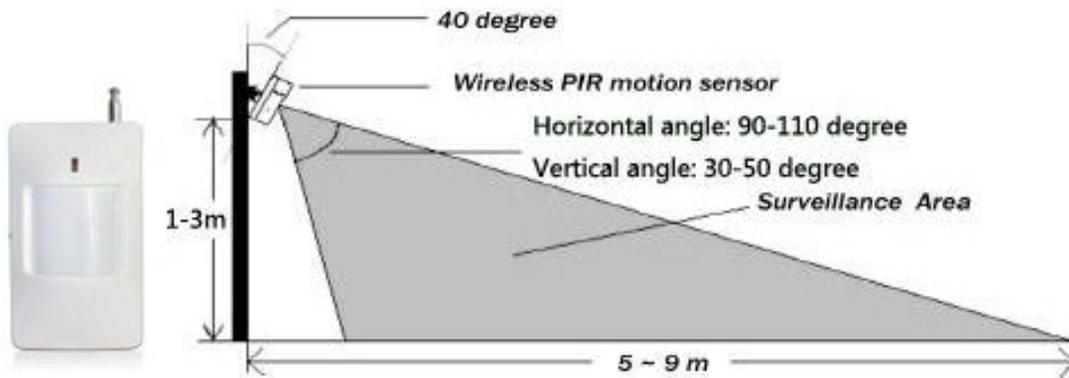
It is triggered when the two parts are separated to 3cm - 5cm.



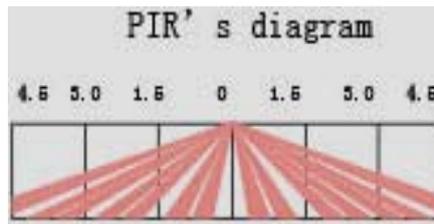
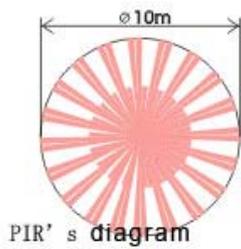
Install PIR motion sensor

PIR refers to passive Infra-red. A Passive Infra-red 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:



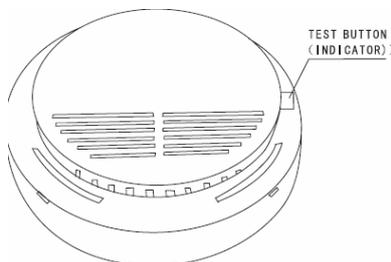
The installation of wireless ceiling PIR sensor



Install smoke/gas detectors

a) Wireless smoke detector

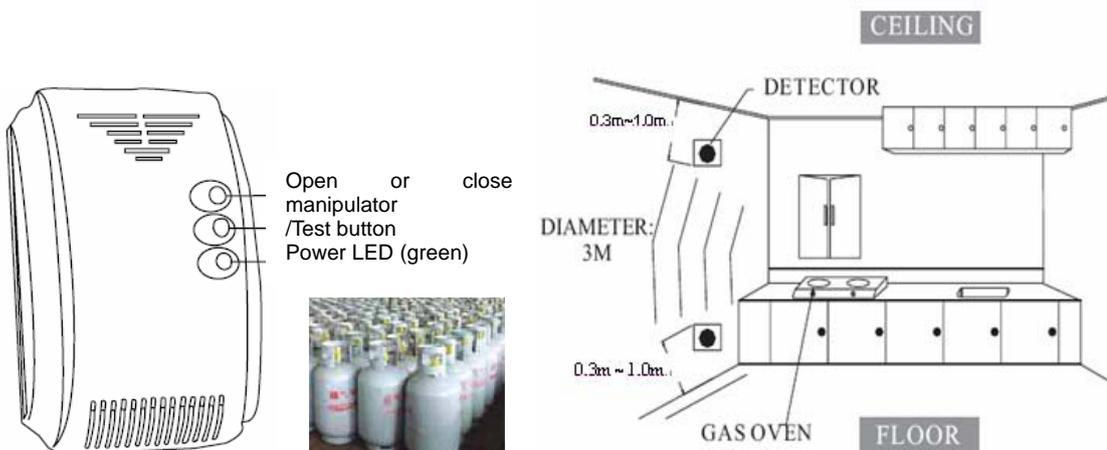
This smoke detector detects smoke by a couple of infrared diodes, which is suitable for detecting the smoke in house, shop, hotel, restaurant, office building, school, bank, library and storehouse etc.



b) 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.



6. Operation steps by keyboard setting

Note: When setting by the keyboard, all the settings can be carried out under the undefended situation with a long ring for all the proper operations while two short sounds for wrong settings.

6.1 Open/Close password protection function, Change user's password

Command: *11*

Description: open password protection function

Note:

Open this function; you need first input password before operation keyboard, the factory password is: 0000, input password: *0000*

Command: *10*

Description: close password protection function

Note:

close this function; you no need input password before operation keyboard

Command: *7xxxx(4 numbers new password)xxxx(4 numbers new password)*

Description: modify passwords

6.2 Adjust the volume of alarm siren

Command: #00#

Description: silent alarm, the siren no sound when the system alarm

Command: #01#

Description: the siren sound when the system alarm

6.3 Set up alarming telephone numbers

Command: #1xxxxxxxxxxxxx(telephone number)#

Description: "1" means set the first group telephone number, you can receive SMS and call when system alarm.

Command: #2xxxxxxxxxxxxx(telephone number)#

Description: "2" means set the second group telephone number, you can receive SMS and call when

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system alarm.

Command: #3xxxxxxxxxxxxx(telephone number)#

Description: "3" means set the third group telephone number, you can receive SMS and call when system alarm.

Command: #4xxxxxxxxxxxxx(telephone number)#

Description: "4" means set the forth group telephone number, you can receive SMS and call when system alarm.

Command: #5xxxxxxxxxxxxx(telephone number)#

Description: "5" means set the fifth group telephone number, you can receive SMS and call when system alarm.

Command: #6xxxxxxxxxxxxx(telephone number)#

Description: "6" means set the sixth group telephone number, you can receive SMS and call when system alarm. This is emergency phone numbers

6.4 Delete telephone numbers

Command: #1#; Description: delete the first group telephone number.

Command: #2#; Description: delete the second group telephone number.

Command: #3#; Description: delete the third group telephone number.

Command: #4#; Description: delete the forth group telephone number.

Command: #5#; Description: delete the fifth group telephone number.

Command: #6#; Description: delete the sixth group emergency telephone number.

6.5 Set up siren sound time when system alarming

Command: #9xx(00-30minutes)#

Description: e.g: #95#, the siren will sound 5 minutes when the system alarm.

6.6 Set up alarm delay

Command: #7xx(00-99seconds)#

Description: e.g: #730#, the system will alarm after sensor is triggered 30 seconds.

6.7 Set ARMING delay

Command: *4xx(00-99seconds)*

Description: e.g: *430*, the system will auto ARMING after press ARM key 30 seconds.

6.8 Set remote telephone ringing times

Command: *6x(0-9times)*

Description: e.g: *63*, if will automatically get through after ringing 3 times,
60, means no ringing times.

6.9 Set siren sound when using the remote control

Command: *21*

Description: The siren have reminder sound when you press remote control

Command: *20*

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Description: The siren off sound when you press remote control, only have buzzer sound. on the remote control to turn on the siren sound.

6.10 Set buzzer sound on/off

Command: *99*

Description: Off the buzzer sound.

Command: *98*

Description: Open the buzzer sound.

6.11 Learning and delete detectors

Command: *0*

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

Command: *01*

Description: Learning detectors: After you press *01* on the alarm panel keyboard, then trigger the detector within 10 seconds. A long "Bi" sound means successfully.

Command: *8xx(00-99zones number)*

Description: Learning detector to the designated zones number, e.g: *816*, means learning a detector to zone 16.

Command: *02*

Description: Delete all of the remote controllers

Command: #8996#

Description: Delete all detectors.

6.12 Set up mode of zones

Command: #8xxA#

Description: "xx" means 00-99 zones; "A" means mode of zones (0-8),

0: bypass mode, the zone will not working in anytime

1: common mode, the zone will alarm when system ARMING

2: intelligent mode, the zone will not working when system INTELLIGENT ARMING

3. Emergency mode, the zone will working in anytime, it can alarm when system DISARMING

4.

Multi-Zones Triggered Mode: You must setup 2 or more than 2 zones for Multi-zones(for example, 5th

zone and 10th zone). For multi-zones triggered mode, only all the detectors you have registered for these zones you have setup for multi-zones are triggered within 30s. the alarm panel will alarm.

5. delay-alarm mode, the system not immediately alarm after set up delay alarm mode.

6. Repeat triggered mode, when the detector is triggered once, the system will not alarm immediately, only when it is triggered again within 30s after the first trigger, the system will alarm.

7. Doorbell mode, the system will "ding dong" when detector be triggered.

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6.13 Inquiry alarm defense area

Command: x(0-9)

Description: Directly press 0~9 to inquiry the latest 10 alarm events and display alarm defense area (0 means the latest one).

6.14 Telephone line anti-cut function

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

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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)

11. Copyright and Disclaimer

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If you encounter any problems when using our products, and cannot solve them by yourself, please contact our technical support team by writing an E-Mail to michael@chinapst.com. We will be pleased to help you.

12. 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 telephone numbers	Set up alarm telephone numbers	#1XXXXXXXXXX# #2XXXXXXXXXX# #3XXXXXXXXXX# #4XXXXXXXXXX# #5XXXXXXXXXX# #6XXXXXXXXXX#	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*	21 On
		20	20 Off
	Set up the buzzer sound	*99*	99 Off
		98	98 On
Set up volume of alarm siren	#00#	00 No sound	
	#01#	01 Have sound	
Telephone line anti-cut function	*51*	51 On	
	50	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*	11 On
		10	10 Off
	Input password	*0000*	
	Modify password	*+new password+new password*	
Reset Factory Settings	*80000*		