CTC electronic

CTC WIRELESS ALARM SYSTEM

Wi Fi™

Alarm Center

- WIFI/GPRS/SMS Triple network transmission.
- Support 32 wireless.
- Support for 8 RFID tags.
- Support doorbell zone, when doorbell rings, it will auto push message to user's mobile phone under «disarm» status.
- Supports up to 8 remote controllers.
- Setting up of up to 8 groups of alarm phone numbers, which will automatically inform users to their phone numbers by either "dialing","sms" or "dialing & sms".
- Operated by IOS or Android phone of APP function
- Zone name can be freely edited.
- Report of AC /DC status and arm/disarm status.
- Support to checkout all real-time status of host panel.
- Firmware of host panel can be remotely updated by app when there comes new version
- Real-time monitoring of door/window's open/close status, alerting the user for Arming failure when the door/window is open.
- Built-in siren, with 3 volume levels that can be adjusted. Supports wireless siren
- Supports remote operation by SMS for Arming, Disarming, Monitoring and Querying status etc.
- Support monitoring at site
- 2 Arming/Disarming timers can be set based on weekdays and weekends.
- Built-in high capacity 800mAh 3.7V lithium battery with at least 8 hours standby time
- It supports RFID card.

The KIT includes:

1x HY-W20 panel
1x HY-20B wireless door sensor
1x HY-320B wireless pir sensor
2x HY-12A wireless remote controllers
2x HY-6121 RFID Card
1x 5V Adaptor
Batteries

Wireless sensor HY-320B

The HY-320B Wireless PIR Detector features advanced digital signal processing for automatic temperature compensation and low power consumption. It transmits a wireless digital signal to activate the alarm centre when it detects human thermal energy. Meanwhile, low power consumption ensures that the battery lasts for a long time, the system operates steadily and the rate of false alarm is low.

• Low power consumption design
• Automatic temperature compensation
• Anti-electromagnetic interference
• Anti-white light
• Low power report
• Modern appearance, user-friendly design and installation

Wireless door sensor HY-20B

Low power consumption, high signal stability and high-power efficiency for long distance and long lasting battery. Ability for low power warning. The sensor can be installed on a door, window and other types of openings. When movement is detected within the radar area, a signal is sent to the alarm console. The distance of wireless transmission can reach up to 400 meters in an open area.

• Low power consumption design.
• Low power notification with LED indication.
• Low power indication on the alarm panel.
• Supports N/C interface (normal/close), can connect wired devices.
• Battery capacity inspection.
• With SMT design to increase stability.

RFID card HY-6121

The HY-6121 RFID tags use an induction antenna with coil voltage for their operation. The tag's memory chip contains a unique ID code, which can be securely transmitted when placed in close proximity to the control panel's RFID reader. The HY-6121 RFID allows users to arm and disarm the alarm system.

• Arming/disarming the alarm system
• Ability to set the name of each RFID tag for different users.
• Easy to transport and use

Wireless remote controls HY-12A

Easy to carry on a keychain, serves for quick arming & disarming of the alarm system and has an SOS panic button.

Main features
• When you press and hold any button, the transmitter only transmits once
• Low power consumption (Standby current is 1uA)

The KIT also includes a 5V adapter and batteries.

External siren with DC power supply

• When used as a repeater, it can connect up to 32 wireless accessories.
• 3 colours of flashing indicator lights (Red / Blue / Red +Blue)
• Designed to prevent malicious removal of the siren.
• Status indication including alarm by the siren
• Supports 8 remote controls & 32 detectors. It has built-in 2 NC type interfaces (Zone No.1 for 24-hour defence and Zone No.2 for intruder protection).
• Two ways of registration: by pressing the activation button or by entering the siren's address code
• Alarm intensity 110dB & flashing lights
• Built-in 12V/1.2Ah lead-acid battery, autonomous for up to 24 hours on stand-by
• Built-in balancing device, suitable for installation in horizontal direction
• Audiovisual alarm during the loading/unloading operation.
• Status report for the alarm from the siren itself, informing the user in case of a violation of the current and battery voltage.
• Waterproof: IP-66
• Power: AC 100V-240V/DC 15V
• Battery: 7.4V/1.2Ah lead acid battery
• Battery life: 24 hours
• Battery life time: 24 hours; battery life: 24 hours
• RF: 433MHz
• Maximum wireless range: >450 m (open area)
• Operating temperature: -10° C ~ +50° C
• Operating humidity: <80%

Indoor siren

• Powered by AC 100-240 volt
• Choice of EU/UK/US plug types
• When used as a repeater, can connect up to 32 wireless accessories.
• 3 colours of flashing indicator lights
• Audiovisual notification during arming/disarming operation.
• Supports 8 remote controls & 32 detectors
• Adjustable brightness in standby mode
• Powerful siren volume & flashing lights
• Power: AC 110 - 240 Volts
• Alarm intensity: >105dB
• RF: 433MHz
• Maximum wireless distance: >100m (Open area)

Remote control

• Arm/Disarm function for indoors/outdoors
• Emergency function
• Smart design with low energy consumption
• Power:
• Battery: DC 3V/CR2032
• Standby current: <1uA
• Transmission power: <10mW
• RF: 433MHz
• Maximum wireless distance: >100m (Open area)

Smart socket

• Supports pairing with up to 5 panels (max)
• Cover made of fireproof ABS material, it is safe and artistic.
• Remote control via mobile app, scheduling activation/deactivation of devices
• With independent safety position, effectively preventing electrocution
• Plug and play , tool-free installation
• Power: AC 110 - 240 Volt
• Alarm sound: >105dB
• RF: 433MHz
• Power: AC 100-240Volt
• Transmission power: <10mW
• Output current: <10A
• Output power:
• Wireless distance: >100 m (open area)
• Housing materials: ABS

Wireless repeater

• Automatic repeater and pair repeater
• Built-in batteries used for backup in case of power failure
• 24 detectors can be added to the pairing mode
• Smart repeater function that prevents resource re-use
• Operating voltage: 100-240VAC
• Standby current: <20mA
• Alarm current: <60mA
• Battery: 7.4V/800mAh
• Frequency: 433.92MHz
• Wireless operating distance: 850 meters

Wireless magnetic contact

• Low power consumption design
• Low power alarm with LED indication
• Low power indication on the alarm panel
• Automatic detection of new or old battery. Features SMT design for increased stability
• Support door open/close notification.
• Power: DC 3V/2*CR2032 battery
• Standby current: <3uA
• Alarm current: <20mA
• RF: 433MHz
• Wireless distance: >150m (Open area)

Wireless PIR detector

The wireless PIR detector for pets uses Dual PIR technology with infrared sensor, which can reduce false alarm indications caused by a pet and improve stability.
Main features
• Significantly improves stability based on its signal analysis with a double symmetric element & microprocessor.
• Automatic temperature compensation which can adjust to environmental changes of the temperature.
• Anti-white light function.
• Anti-magnetic interference by pulse sensor
• Support of low voltage alarm detecting function
• Power: 3V/2*AA DC battery
• Standby current: <120uA
• Alarm current: <30mA
• RF: 433MHz
• Wireless distance: >150m (Open area)

Ceiling PIR motion sensor

Temperature compensation and detection of temperature changes
• Easy installation
• Anti-white light interference
• Anti-electromagnetic interference
• Low power alert and low power report sent to the central alarm unit
• SMT technology for high stability
• Power: DC 3V/CR17450 battery
• Standby current: <30uA
• Alarm current: <15mA
• RF: 433MHz
• Wireless distance: >300m (Open area)

PIR motion sensor «curtain»

- Detection angles: Horizontal 6° / Vertical 130°
- Temperature compensation and detection of temperature changes
- Easy installation
- Anti-white light interference
- Anti-electromagnetic interference
- Low power warning and low power report sent to the central alarm unit
- With SMT technology for high stability
- Screw-mount bracket supports mounting on the wall or on the ceiling
- Power: DC 3V/2*AA battery
- Standby current: <30uA
- Alarm current: <8mA
- RF: 433MHz
- Wireless distance: >300m (Open area)

Wireless vibration detector

- Smart wireless vibration detector
- Mechanically activated
- Low power consumption
- Smart signal analysis and process
- Choice of three levels of sensor sensitivity adjustment
- Automatic detection of battery power and notification to install new one
- Wireless frequency: 433.92MHz
- Operating current: ≤10uA (static current), ≤18mA (alarm current)
- Operating voltage: 1.5mm: CR2032 lithium battery): DC3V (2pcs CR2032) (Lithium battery)
- Wireless distance: ≥100M (open area)

Smoke and heat detector

- AIndependent photoelectric smoke detector detects in time even small fire outbreaks through smoke detection.
- When smoke reaches the alarm level, the detector will be activated. It will immediately turn on the emergency light to alert you to take appropriate measures to protect life and property.
- Power: 1*CR17450 battery (non-removable).
- Standby current: <10uA
- Alarm current: <100mA
- RF: 433MHz
- Alarm volume: >85dB
- Wireless distance: >100m (Open area)

Wireless leaking detector

• Rust resistant sensor
• Ultra-low power design
• Sound and flash alarm function
• Leak detection function
• Automatic detection for used battery replacement
• Low battery power notification
• Power: DC 3V/2*AAA battery
• Standby current: <10uA
• Alarm current: <100mA
• Alarm sound: >90 dB
• RF: 433MHz
• Wireless distance: >100m (Open area)

Wireless SOS button

• Emergency function
• Low power consumption design
• Power: DC 3V/1*CR2032 Battery
• DC power supply: <1uA
• Alarm current: <20mA
• Alarm sound: >90 dB
• RF: 433MHz
• Wireless distance: >100m (Open area)

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