

# User's Manual

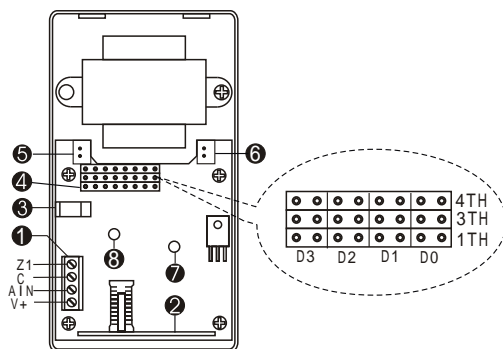
## KS-50AI Radio Emitter Introduction

By adopts 8-bit single chip as processing core and provides 1 set of wired alarm input contact, 1 set of audio alarm input contact and + 12V DC output interface, which can forward the alarm signals of most wired detectors in current market. And the wired alarm input has interface short/opening/parallel loads alarm functions. It can be independently activated and deactivated by remote controllers and has emergency alarm functions. Besides, it can also forward the alarm signal of 315 MHz wireless detector produced by our company. Additionally, an optional backup rechargeable battery is provided and it has a rechargeable function and low battery voltage alarm function.

### Functions and features

- \* Two kinds of wired alarm input contact
- \* Alarm input contact has a short current, open current and loading protective function.
- \* Provide wired detector working power (12V-15V).
- \* Can be activate and deactivate by remote controller: the remote controller is optional.
- \* Wireless forward: can forward small power wireless detector alarm signal.
- \* Low power indicator.
- \* Backup rechargeable battery is optional.

### Parts



#### ❶ Wired contact.

Z1: wired alarm input contact.

C: alarm input negative contact and detector power negative contact.

AIN: audio alarm input positive contact.

V+: detector power contact.

#### ❷ Wireless incept board

❸ Backup power input: +12V storage battery is optional. This equip has rechargeable function. It isn't allowed to use the dry battery.

❹ Wireless forwarding address jumper: use the wireless forwarding detector to change the wireless forwarding address jumper

❺ AC input: AC15V input

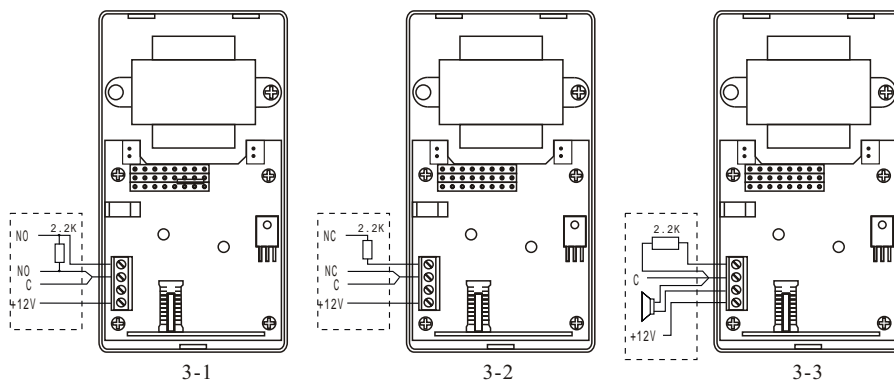
❻ Buzzer output

❼ Alarm indictor: it is on when it alarms.

⑧ **Defense indicator:** it is on when the emitter is in activated state. It is off when it is deactivated by remote controller and enters into deactivated state.

## System connection and using

### 1. System connection



The connection of normal open alarm output detector (as shown 3-1)

The connection of normal close alarm output detector (as shown 3-2)

The connection of audio alarm output detector. (as shown 3-3)

Resistance 2.2K shall be connected as above shown. Or it will occur alarm. One emitter can forward more detectors.

### 2. Using method

#### Sound indicator

There is a short "beep" when it power on, means the system have checked itself and is normal.

There is a short "beep" when it is activated, means the activation is valid.

There is two short "beep...beep" when is deactivated, mean the deactivation is valid.

There is a "beep" every 15 seconds, means the battery power is lower.

① **Activation:** The emitter will enter activation state after power on. Or press "" on the remote controller to enter activation state.

② **Deactivation:** using KS-200B main unit to enter the "zone activation/deactivation" function to deactivate. Or press "" on the remote controller to deactivation.

#### Technical specifications

**Working voltage:** AC220 +/- 15% 50Hz DC9.6-15V

**Waiting Current:** 10mA

**Alarm Current:** 500mA

**Wireless emitter distance:** 3-10Km (in open area)