Wireless Universal Transceiver
User's Manual

P/N:350310000056A010
V1.0

1. Summary

The wireless universal transceiver is expanded specially for the existing system. It realizes to invert the wireless signal to the wired panel, which saves the industrial cost. The installation is easy and the operation is simple. It can collocate with all panels in the market. It learns automatically with the wireless transmitted detectors in way of storing.

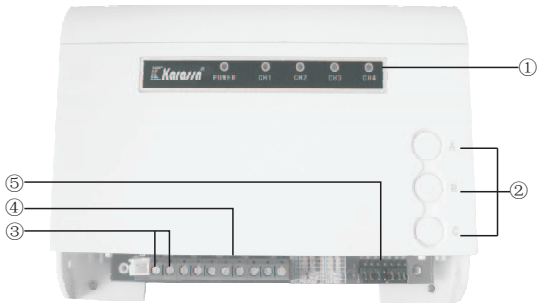
2.Product's Characters

◎ 4 wired output channels. NO/ NC (for option).
◎ Equipped with 9 wireless detectors at most.
◎ The first and second outlet channels can be set up as the smart channels, which can reduce wrong alarm.
◎ The forth outlet channel is the channel of tamper and low power report which avoids the tamper of detector and alarm missing in low power.

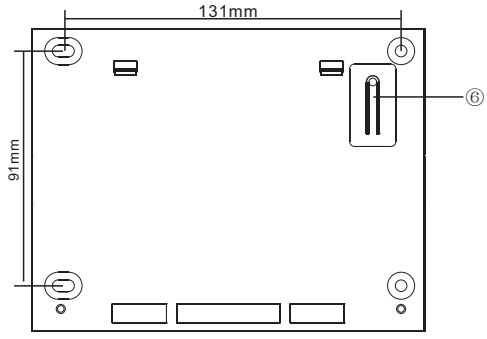
3.Technologic Parameter

◎ Working voltage: DC12V 25%
◎ Current: ⩾250mA
◎ Wireless frequency: 433.92MHz
◎ Wireless distance: 500m (in open area)
◎ Working temperature: -10℃～50℃
◎ Size: 152*117*32mm (L*W*H)
◎ Weight: 250g
◎ Installation: Wall-mounted

4.Spares Description:



(Picture 1) Sketch map of main panel



(Picture 2) Sketch map of hook plate

①LED indicator:

a) The POWER indicator is green. CH1～CH4s are red.
b) The ways of indicators should be accorded with the following statuses:

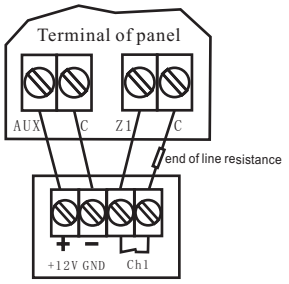
Form 1 Run of the indicators

RUN	Standby	Alarm	Program	channel program	delete the code	default setting
POWER indicator	ON	ON	OFF	OFF	OFF	Flashing and ON
CHANNEL indicator	OFF	ON	ON (all channel indicator)	channel indicator Flashing	channel indicator ON	Flashing and ON (the channel LED)

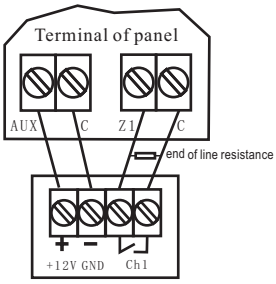
② Keys: “A” is enrolling key. “B” is removal key. “C” is delete key.

③Power input terminal: No distinguish between anode and cathode. Make sure the power of above 250mA and DC12V voltage.

④Output terminal: It connects with the input terminal of the alarm system. The way of NO/ NC is showed as Picture3 and Picture4.



(Picture 3) NC connection



(Picture 4) NO connection

⑤ Functional pin:

a)J1-J4s are for pins of NO/ NC. The position of 1 is for NO and 2 for NC. NC is default.

b) J5 and J6 are for pins of Smart/ Normal. The position of 1 is Smart and 2 for Normal. The Normal is default

⚠ **Note: Smart zone: all sensors in that zone should be triggered within 30 seconds. Or else, the alarm won't be activated.**

c) J7 is for pins of Set. The position of 1 is for Set and 2 for standby. Standby is default.

⚠ **Note: Please turn J7 to position 2 after Set, otherwise, the system doesn't work normally.**

⑥Tamper switch: The forth channel is for tamper switch.

The transceiver owns a buzzer to indicate when starts to alarm or be operated.

Form 2 Sound clew

a long “Di” in 10s continuously	The detector is triggered
a short “Di”	The key is OK
two short “Di”	OK
a long “Di”	Wrong
a long “Di” per 5s	To alert the user that the device in SET status

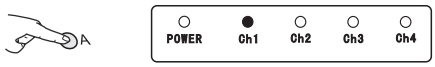
5.Enroll detector

⚠ **Note: J7 should be inserted in “1” during SET status. Turn it to “2” when exiting Set.**

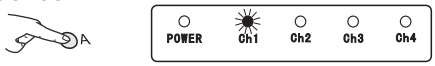
① Enroll detectors

a) Turn J7 to “1” position, the transceiver beeps with a short “Di”. Also POWER indicactor off and Ch1-Ch4s indicator on.

b) Press “A” and hold 3 seconds until hearing a short “Di”. Only CH1 indicator on.

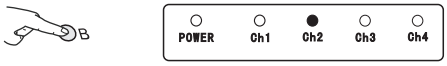


c) Press “A” again until hearing a short “Di”. Ch1 flashes.



d) Trigger the detector to send signal (tamper switch is available). If the transceiver is learned successfully, it will be two short “Di, Di” and Ch1 on. Press “A” again to enroll more detectors in the first channel.

e) Press “B” to forward enroll code in the second channel until the transceiver beeps with a short “Di”. CH1 indicator off and CH2 indicator on. Repeat the step (c)-(d) that can enroll code in the second channel again.



After learning the third channel, press “B”. Then the first channel on. Learn code with the un-enrolled detectors in the first channel by pressing “A”.

⚠ **Note:**

(1) All the detectors in smart channel should be located nearby and make sure can be activated in 30 seconds, if the detectors in smart channel installed in far way or not relevant place, it will cause the alarm missing.

(2) When tamper or low power of detectors occurs, the forth channel will alarm, the corresponding channel will not sent alarm any more.

(3) If the channel's indicator is flashing, it can still learn more detectors. If “A” is pressed four times, but the channel's indicator is still on, the channel can't learn any more detectors (3 detectors at most).

(4) If the detector have been enrolled, it can't be rerolled anymore. the transceiver will beep with a long “Di” and CH1 is still flashing.

(5) If the transceiver is pressed within 1 minute, it will beep a long “Di” per 5s until operation again or exiting.

(6) Trigger all enrolled detectors to make sure if programs are successful.

② Delete detector

Insert J7 into “1”, then the transceiver beeps with a long “Di”. POWER indicator off and CH1-CH4s indicator on. Press “A” and hold 3 seconds, only CH1 indicator is on. At this time, press “B” to delete the detector you want until the indicator on. Press “C” and hold 3s until the transceiver beeps with a long “Di”.

⚠ **Note: All detectors enrolled in the same channel will be deleted once.**

③ Restore to the default status

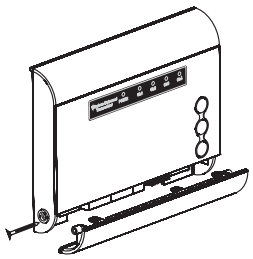
Press “A” and “B” simultaneously and hold. Insert J7 into “1” position, the transceiver will beep with two short “Di”. At this time, all indicators are flashing, release the “A” and “B” key. Press “C” and hold 3 s until the transceiver beeps with a long “Di”. All indicators will be on.

⚠ **Note: Once restore to the default status,it means all detectors will be deleted**

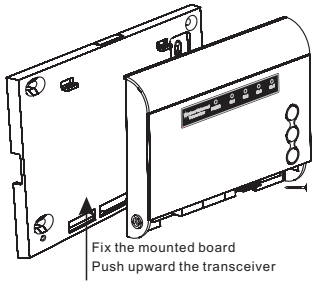
6.Installation

⚠ **Note: The wall required to be flat to make sure tamper and triggering without wrongly.**

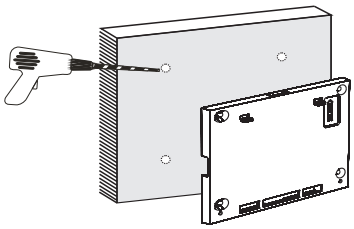
① Open the terminal cover with screwdriver.



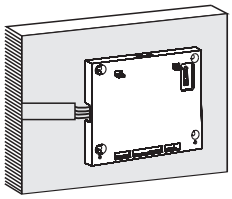
②Separate mounting board and device.



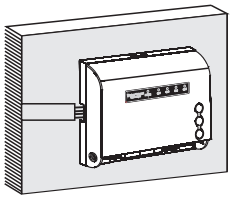
③ Install the mounting board on the wall with the stopper.



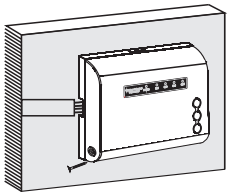
④Pull the wire on the wall and leave 12-15cm over the groove. Connect it to the outlet of mounting board.

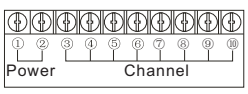


⑤Fix the mounting board on the wall. Then hook the transceiver in the mounting board and connect the mounting board with the cover shell.



⑥Connect the wires with the terminals of the transceiver.





⚠ **Notes:**

The wireless communication distance in standard is tested in the open area without considering the environment, climate, height of antenna and so on. To make sure the reliability of wireless communication distance, please test it carefully before using.