

## NOTICE OF USE

1. Unauthorized repair or disassembly of this device will void all the warranties.
2. Avoid water.
3. Do not store this device in an excessively hot place.
4. Avoid knock or drop of this device.

**Specifications** \* specification may change without prior notice

<b>Size</b>	L 9 x W 5 x T 1.7 cm
<b>Weight</b>	about 60g
<b>Power</b>	9V ~ 16V DC
<b>Detecting Frequency</b>	1. WiFi / Mobile wideband jammer 2. 433 MHz / 868 MHz narrowband jammer
<b>Alarm output</b>	1.0A relay, with NO-NC output
<b>Sensitivity Tuner</b>	Set the detecting threshold and eliminate the environment interference (background noise)

## WARNING

Use this device as an auxiliary, supplemental help or aid to prevent the risks caused by signal jammer. This device does not take the place of all the supervisions. Performance of this Radio frequency (RF) product will be affected by the circumstance of use. The producer and marketing group accepts no liability for any loss or damage by malfunction or misuse.

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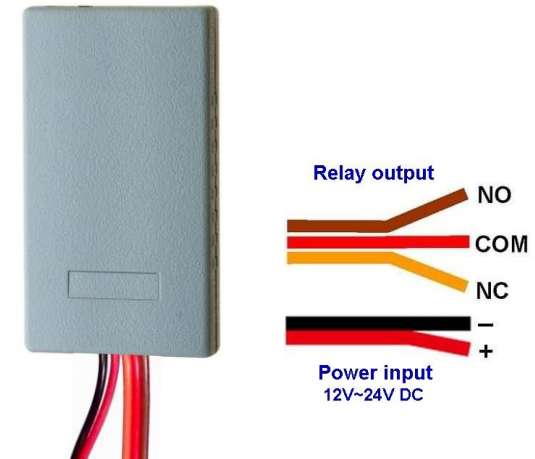
# A-JAM-055

## Plain type Jamming Signal Detector

Disclosure malice 433 MHz / 868 MHz / WiFi / mobile communication interruption

## User's Manual

Thank you for purchasing the Jamming Signal Detector. Please first read over this manual for proper use, save this manual and keep it handy.



No	Wire	Color	Remarks
1	<b>VCC, GND</b>	Red, Black	1. Input power matching correct (+) and (-) poles. 2. The quality warranty does not include the damage caused by wrong wiring.
2	<b>NO, COM</b>	Brown, Red	
3	<b>NC, COM</b>	Orange, Red	

■ **Note:** This device is designed for use in indoors.

## HOW TO OPERATE

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1. Connect power input matching correct (+) and (-) poles as indicated.
2. Connect relay output (NO or NC) with external alarm device as indicated.
3. This device can detect radio wave of WiFi / Mobile wideband jammer and 433 MHz / 868 MHz narrowband jammer (single channel transmitter).
4. When connect with power, if the red LED in **rear side** (for wideband jammer detection) is blinking, please rest assured that the detected signal is not jamming signal.
5. When connect the power, if the red LED in **upper of right side** (for narrowband jammer detection) is blinking, check for 10 seconds, if the relay does not trigger, then please rest assured that the detected signal is not jamming signal.
6. There are 2 sensitivity tuners, one in rear side (for wideband jammer detection) and another in upper of right side (for narrowband jammer detection). Adjust the sensitivity according to the below chapter "Sensitivity Adjustment".
7. When this device detects jammer radio waves, the red LED will light up. After the circuit verifies the jamming signal, this device will activate the relay output.

8. When security center or owner receives the alert trigger from the security system which has installed with this device, **the guard or owner should dial back** to confirm that the system is online.
9. If the calling user is offline, the system might be blocked by signal jammer. If the calling user is still online, then can confirm that the alert trigger might be caused by unusual too strong noise.

## SENSITIVITY ADJUSTMENT

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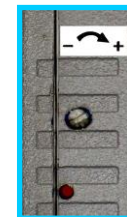
### < FOR WIDEBAND JAMMER DETECTION >

Turn the sensitivity tuner in rear side to + (plus) side to let the LED light up in red. Then turn the sensitivity tuner to – (minus) side slowly until the red LED put out.



### < FOR NARROWBAND JAMMER DETECTION >

Normally, user does not need to adjust the tuner in upper of right side. In case the red LED is lighting up or blinking during installation and cause the relay triggered, turn the sensitivity tuner to – (minus) side slowly until the red LED put out.



- **Note:** When change the installation of this device in different place, should do the sensitivity adjustment again.

## EFFECTIVE RANGE & INTERFERENCE

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1. When there are people or metal objects between the signal source and this device, the radio waves might be absorbed or reflected, so the effective range will become shorter or longer than usual.
2. The effective range will become shorter if there are metal objects or metal walls around this device.
3. The effective range will become shorter if you put this device very close to ground or concrete wall, or put it on a metal desk or metal objects.
4. The effective range will become longer when used in a narrow alley or gallery.
5. While near the big antenna of a TV or radio station, the effective distance of this device might become short after eliminating the environment noise.