

About this Document

- This Document includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only.
- The information contained in the Document is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of the Document at the Hikvision website (<https://www.hikvision.com>). Unless otherwise agreed, Hangzhou Hikvision Digital Technology Co., Ltd. or its affiliates (hereinafter referred to as "Hikvision") makes no warranties, express or implied.
- Please use the Document with the guidance and assistance of professionals trained in supporting the Product.

About this Product

This product can only enjoy the after-sales service support in the country or region where the purchase is made.

Acknowledgment of Intellectual Property Rights

Hikvision owns the copyrights and/or patents related to the technology embodied in the Products described in this Document, which may include licenses obtained from third parties.

- Any part of the Document, including text, pictures, graphics, etc., belongs to Hikvision. No part of this Document may be excerpted, copied, translated, or modified in whole or in part by any means without written permission.
- **HIKVISION** and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.
- Other trademarks and logos mentioned are the properties of their respective owners.

LEGAL DISCLAIMER

● TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS DOCUMENT AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS. ● YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER- ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

● YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.

● IN THE EVENT OF ANY CONFLICTS BETWEEN THIS DOCUMENT AND THE APPLICABLE LAW, THE LATTER PREVAILS.

© Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATTER PREVAILS.

The power source should meet limited power source or PS2 requirements according to IEC 60960-1 or IEC 62368-1 standard.

 This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the RE Directive 2014/53/EU, the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.

 2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

CAUTION

Never place the equipment in an unstable location. The equipment may fall, causing serious personal injury or death.



Please read all the safety information carefully before using.

● CAUTION: To reduce the risk of fire, replace only with the same type and rating of fuse.

● Do not ingest battery. Chemical burn hazard!

● This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

● Keep new and used batteries away from children.

● If the battery compartment does not close securely, stop using the product and keep it away from children. ● If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

● CAUTION: Risk of explosion if the battery is replaced by an incorrect type.

● Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).

● Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.

● Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.

● Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.

● Dispose of used batteries according to the instructions.

● This equipment is not suitable for use in locations where children are likely to be present.

HIKVISION



Walk-Through Metal Detector

User Manual

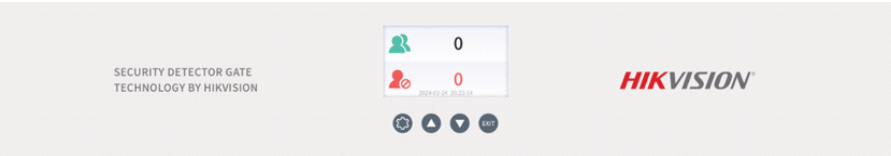
UD43553B

Product Description

Product Introduction

This is a walk-through metal detector which has high sensitivity and strong anti-interference ability. It can detect metals from people who pass through the gate, which can effectively check illegal items. It can be used in public security organs, prisons, governments, transportation hubs, enterprise parks, office buildings, schools, hospitals, cultural and expo scenic spots, large-scale security activities, etc.

Control Panel Settings



The center area of the door frame is a 4.3-inch display; there are four buttons below the screen, from left to right, which are the menu key, the plus key, the minus key, and the return key.

Metal Detection Menu Settings Introduction

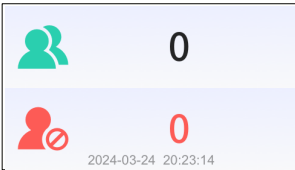


Figure 1

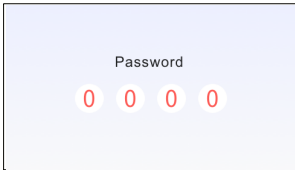


Figure 2

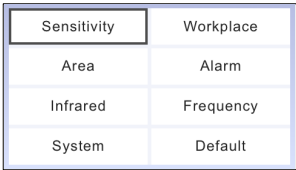
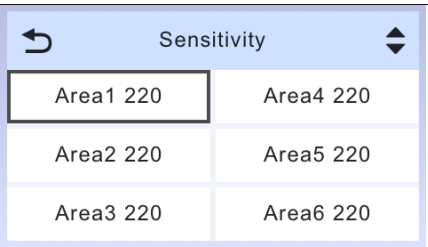


Figure 3

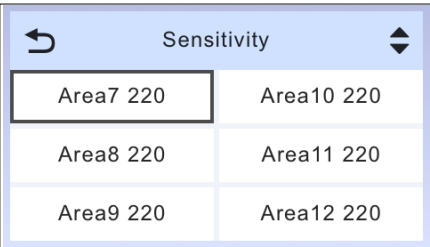
The main screen of the security check: the green icon indicates the number of people who passed, the red icon indicates the number of alarms, the counting range is 0-99999, and the current system time is displayed at the bottom of the screen.

Input password: Press the menu key on the main interface to enter the interface. The password is a four-digit number, with each digit corresponding to one of the four buttons at the bottom of the screen. You can enter the password from right to left by pressing the buttons. Enter the settings interface by entering the default password of 0000. If you forget the password, you can enter the password of 8888 to enter the security configuration interface.

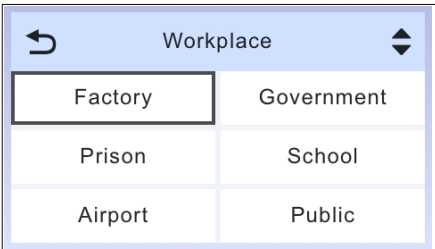
Enter the security check configuration screen: Press the "Add/ Delete" key to select the corresponding function after entering the security check configuration screen.



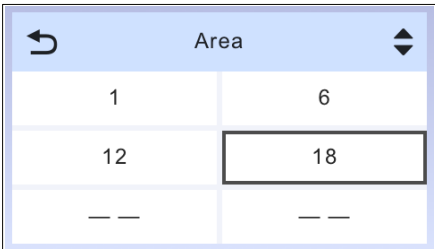
Configure sensitivity: After selecting Sensitivity, press the menu key to enter the sensitivity configuration interface, and press the Return key to return to the menu setting interface. The device is divided into zones 1 to 12. Zones 1 to 6 indicate the area from the bottom up of the left door panel, and zones 7 to 12 indicate the area from the bottom up of the right door panel. The default sensitivity is Area7, 200. Other areas except Area7 are 220.



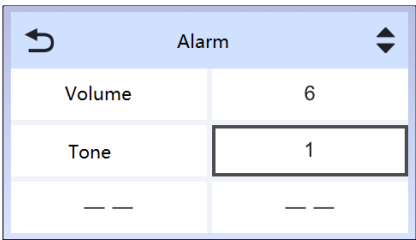
Press the menu key to switch to select the location to be set, and press the plus or minus key to adjust the sensitivity of the selected location. The adjustment range is 0-255. The larger the value, the higher the sensitivity. The device automatically saves the current settings.



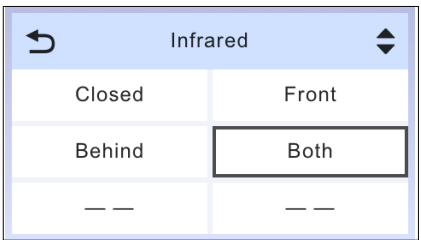
Configure work scene: Select Workplace and press the menu key to enter the interface. You can use the "Add/ Delete" key to select a scene, and the device automatically saves the current Settings. If the corresponding scene is selected, all location sensitivities will be switched according to the scene parameters, among which, in Factory mode, all location sensitivities are 180; in Government mode, all location sensitivities are 190; in Prison mode, all location sensitivities are 200; in School mode, all location sensitivities are 210. In Airport mode, all locational sensitivities are 220, and in Public mode, all locational sensitivities are 230.



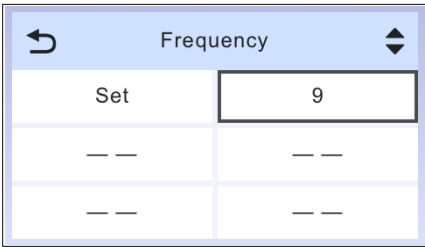
Configure alarm area: Select Area and press the menu key to enter the interface. The device supports 1, 6, 12 or 1, 6, 12, 18 alarm areas based on the model. The highest alarm area is selected by default. Use the "Add/ Delete" button to switch the selection of the alarm area. After the setting is completed, it will be automatically saved to ensure that the setting is still used next time (even if the power is not affected). If the alarm zone is set to 1, the device detects metal, and the light bars of the door panels on both sides turn on. If the value is set to 6, the device can distinguish the height when detecting metal. The light bars on both sides of the door panels only turn on at the same height when metal is detected. If the alarm zone is set to 12, the device can distinguish the height, left, and right. In this case, only the light bar on the door panel at this height is on. When the zone is set to 18, the device can distinguish the height, left, middle, and right. When metal is detected in the middle zone, the door panel light bar on both sides will light up at the same time. Note: Here we take the interface of 1, 6, 12, 18 alarm areas as an example.



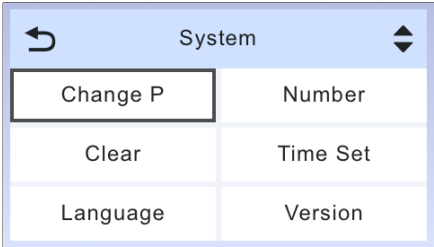
Select Alarm and press the menu key to enter the interface. The system supports adjusting the volume and tone of the alarm sound. After selecting the corresponding item, use the plus and minus keys to adjust volume and tone parameters. The volume adjustment range is 0 (indicating mute) to 15, and the tone adjustment range is 1 to 6.



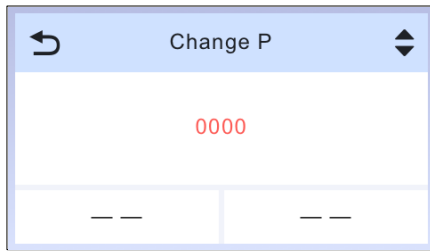
Set Infrared mode: Select infrared and press the menu key. The infrared mode setting screen is displayed. The infrared mode can be switched by the "Add/ Delete" key. After the setting is completed, it will be automatically saved to ensure that the setting value is still used next time (even if the power is not affected). Select Closed to close the front and back infrared sensors of the door panel. Selecting Front will turn on the front group infrared and turn off the back group infrared; Select Behind to turn off the front group infrared and turn on the back group infrared; Select Both to enable the infrared function for both groups. The default factory configuration is Both.



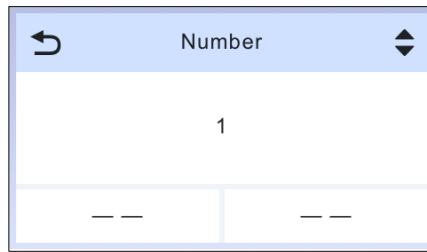
Set operating frequency: Select Frequency and press the menu key to enter the operating frequency setting interface. The operating frequency can be modified by the "Add/ Delete" key. After the setting is completed, it will be automatically saved to ensure that the setting value is still used next time (even if the power is not affected). The operating frequency ranges from 1 to 12. The default frequency band 9 is configured.



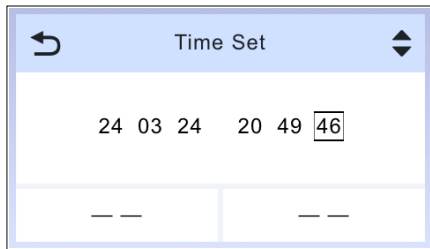
Set system parameter: Select System and press the menu key. The system menu setting screen is displayed. Number of people clear: On the System page, select Clear and press the menu key to clear the number of people currently passing through the device and the number of alarms. On the System page, select Language and press the menu key to switch language. Only Chinese and English are supported currently.



Change login password: On the System page, select Change P and press the menu key. The page for changing passwords is displayed. It can be modified by pressing the "Add/ Delete" key. After the setting is complete, it will be automatically saved to ensure that the setting is still used next time (even if the power is not affected).



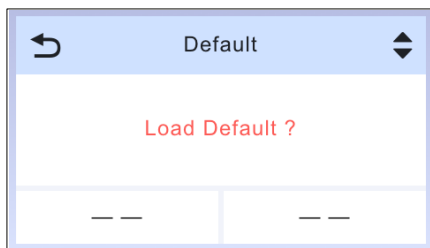
Set Max. alarm number: In the System page, select Number and press the menu key to set the maximum number of simultaneous alarms. The maximum number of simultaneous alarms can be switched by "Add/ Delete" key, which supports switching in the range 1-3. The setting will be automatically saved after completion, ensuring that the setting value is still used in the next use (even if the power is not affected). The factory default value is 1.



Set system time: On the system page, select Time Set and press the menu key. The value of the screen indicates the year, month, day and hour from left to right. Each time you enter the screen, you will set the value from the leftmost to the right. The value can be switched by the "Add or Delete" key. Press the menu key to save the current number settings and switch to the next number. The time takes effect immediately after the setting is completed and is automatically saved to ensure that the setting is still used the next time (even if the power is not affected).

Version	
UI	1.06.2403.2500
Hardware	S06.Ct1Acq.V01
Software	S6CA.1.0.7

View software and hardware versions: On the System page, select Version and press the menu key. The version information screen is displayed.



Restore the default settings: On the System page, select default and press the menu key to enter the default settings screen. Press the menu key to restore the default factory settings, and press back to return to the upper-level screen.

Technical Advantages

Metal detection: 25mm-sized metal can be detected, effectively checking illegal items;

Power-on self-test function: self test the system when power on, and test results will be displayed;

Ten digit tube display: number of people, metal alarm number and other information;

Multi-zone alarm function: when multiple metals in different positions of the human body pass through the security gate, they will trigger alarm at the same time, and positions of multiple metals can be indicated;

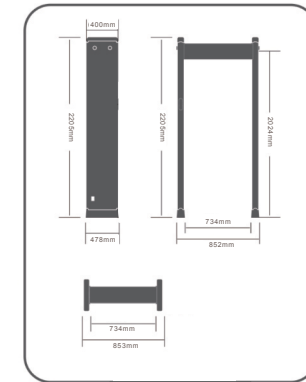
Modular component design: convenient transportation and maintenance.

Specification

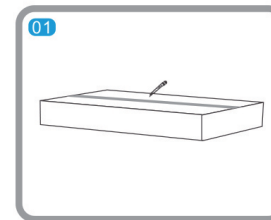
- Power Consumption: ≤10W
- Tunnel Size: 2024 mm(H) × 734 mm(W) × 405 mm(D)
- Dimension: 2205 mm(H) × 852 mm(W) × 478 mm(D)
- Power Supply : DC 15V, 4A
- Operation Temperature / Humidity: -10 °C to 55 °C / 0 % to 95 %(no-condensing)

Package Size

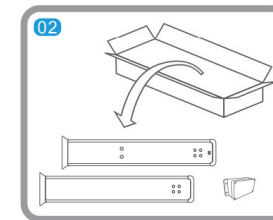
Net: approx. 40Kg (2244 × 230 × 516 mm)



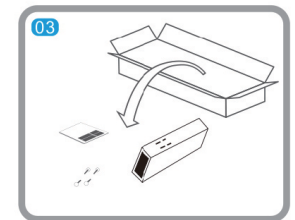
Installation Guide Lines



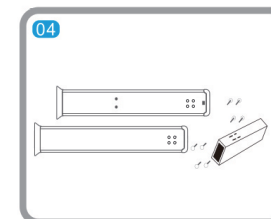
- 01 Check if the package is complete and then open the package box.



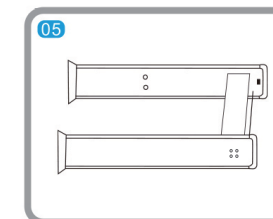
- 02 Take out the device and accessories.



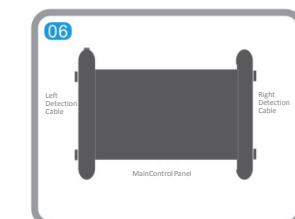
- 03 Take out the user manual, main control panel, power supply, screws, etc.



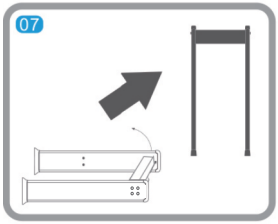
- 04 Get the door planks, screws, and main control panel ready.



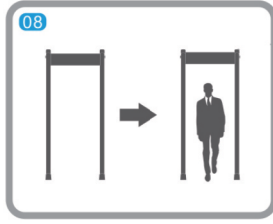
- 05 Install the door planks, screws, and main control panel. Tighten the screws to fix all the components.



- 06 Connect the 2 detection cables, 1 power cord and 1 network cable.



07 Upend the device.



08 Connect the power supply to the device and turn on the power switch to start the device.



Please read this section before installation.

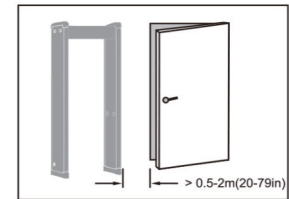
Multiple Device Working Side by Side

Side-by-side operation refers to the operation of two or more detectors in close proximity to each other. With side-by-side operation, the detector may interfere with each other. The level of interference depends on the distance between the detectors and their operating frequency and sensitivity.

The detector has different working frequency selection, which can decrease the effect of interference of other gates. The operating frequency of each detector should be different.

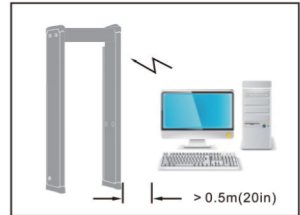
Before Working Device Setting

Select the smallest metal item to be detected. Choose one person to carry the item and pass through the security gate (Make sure the person doesn't take any other extra metal items). Adjust the alarm threshold to meet the detection requirements. (Note: the factory detection standard is one-yuan coin passing horizontally, and the detection alarm triggered.)



Moving Metal Object

The large metal objects moving outside the detector shall be kept at least at a distance of 0.5-2m (20-79in) from the detector to avoid false alarm. According to the size of the metal object, the distance between the required moving metal object and the detector may different.

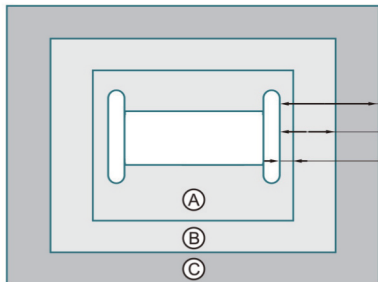


Radiated Electronic Interference

The distance between the electronic interference source and the receiving coil is maximum. The recommended minimum distance is 0.5-4m (20-157in). However, distance should vary according to the specific situation.

The interference may be caused by electronic control panel, radio equipment an computer, image display, high-power motor and transformer, AC wire, transistor circuit, flash fluorescent lamp, ARC welding equipment, etc.

Conducting Electronic Interference



The recommended min. distance away from the interference source:

- > 4 m (157 in)
- > 2 m (79 in)
- > 0.1 m (4 in)



Please read this section before installation.

- A. With fixed metal object
- B. No moving metal object is allowed
- C. No electronic interference source is allowed

FAQ

No.	Symptom	Description	Possible Reason	Solution	Tool
1	Unable to Boot	The device cannot be normally started after installation.	1. Check whether the power button is on and whether the button indicator light is on. 2. Check whether the power cord is damaged, broken, bad contact, etc., and whether the power supply of the main chassis is normal.	1. Replace digital board. 2. Check power supply circuit.	Manual operation.
2	Screen off	The LED screen is off.	Check whether the power button is on and whether the connecting wire of the connecting panel of the main board is properly plugged.	Replace cable, display, and digital board.	Manual operation.
3	No People counting	The number of people displayed as 0001 or 0000.	Repeatedly pass through, and the number of people passing through does not change.	Replace the infrared component.	Manual operation.
4	False Alarm	The alarm is triggered when there is no people walk through.	1. Check whether the environment around the detector affects. Change the frequency. 2. Whether the number of people passed automatically changed. 3. Adjust the alarm threshold. 4. Check whether there is any large metal within 1 m nearby. If there is, please stay away.	1. Replace the infrared component. 2. Adjust the sensitivity value.	Manual operation.
5	Sensitivity	No alarm when walk through the detector with metal.	1. Adjust the alarm threshold. 2. Check whether there is any large metal within 1 m nearby. If there is, please stay away.	Adjust the alarm threshold.	Manual operation.



Please refer to this section in time when the device pops up an error code.

NOTICE

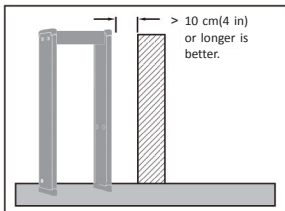
- ◆ Notes:
 - Avoid using in the following places:
 - Do not use in places with electromagnetic (such as arc welding machine, induction heater, etc.).
 - Environmental temperature change caused by thermal shock, waiting for 1 hour before use.
 - Don't put the device in high temperature.
- ◆ Maintenance:
 - Please power off when not use the device for a long time.
 - Do not disassemble this device or attempts to change the structure. Do not put the device in the following places:
 - Places may be splashed by water or dusty places.
 - Places with high concentrations of salt/sulfur in the air.

Precautions

| Installation Environment

Ground Vibration

The ground shall be flat and provided with solid support to prevent vibration. In particular, when there is a vibrating metal machine structure under the ground, unnecessary alarm may be caused when personnel pass through the security gate.



Solid Metal Objects

Fixed or immovable large metal objects shall be at least 10cm (4in) away from the detection door (to detect large metal objects). This has less impact on sensitivity, but may make the detection door more susceptible to vibration.



The distance in this section is recommended, and the actual installation distance depends on the installation site conditions.