

# Walk Through Detection Security Gate

**NOTE:** Please Contact Us At 800-730-8382 For Inquiries Related To Your Interest In Placing A Bulk Order For Hospitals, Institutions, Schools, Government, Commercial Buildings, ETC.

**Disclaimer:** This detection device is not a medical device and cannot diagnose coronavirus infection. This product can identify individuals showing higher than average temperature relative to a sample population. Only a licensed medical professional can determine if a “hot” individual is experiencing an abnormal medical condition.

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# 1 Packing List

| Item | Description            | Qty | Unit |
|------|------------------------|-----|------|
| 1    | Main Control Box       | 1   | Set  |
| 2    | Left Door Panel        | 1   | Pcs  |
| 3    | Right Probe Door Panel | 1   | Pcs  |
| 4    | Power Cable            | 1   | Pcs  |
| 5    | Screw                  | 8   | Pcs  |
| 6    | Allen Wrench           | 1   | Pcs  |
| 7    | User Manual            | 1   | Set  |

Remarks: According to different models and different versions of the product, the accessories included in the box may change, please refer to the actual situation.

## 2 Product Introduction

### 2.1 Overview

This product adopts the principle of non-contact infrared detection to screen the temperature of the detected personnel to prevent cross infection of various infectious viruses. This equipment is suitable for crowded places such as supermarkets, business halls, subways, bus stations, train stations, courts, prisons, detention centers, etc.

## 2.2 Outlook

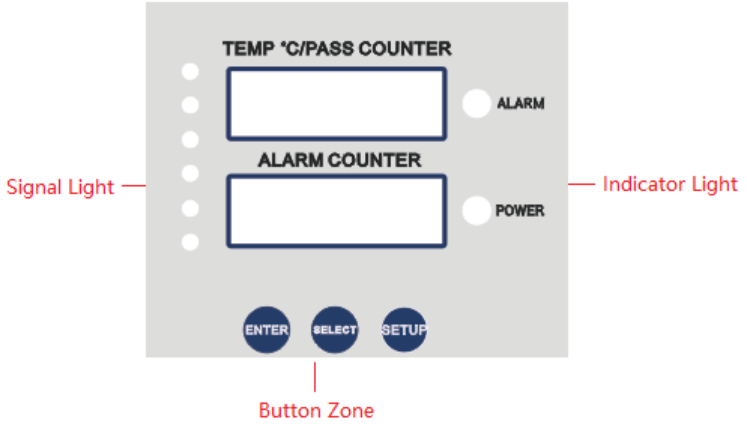
The appearance of the equipment is shown below, please refer to the actual product.

The equipment diagram is as follows::



## 2.3 Structure Description

### 2.3.1 Panel Description



| Item              | Description  |
|-------------------|--|
| Signal Light      | Show the signal strength   |
| Temp/Pass Counter | Display the detection temperature/ passing person number                               |
| Alarm Counter     | Show the alarms number of abnormal temperature.  |
| Alarm Indicator   | a temperature above the alarm threshold is detected                                    |
| Standby Indicator | When the indicator light is on, indicating that standby state can be normal detection. |
| Button Zone       | Confirm button, select button, and debug key are assigned corresponding functions.     |

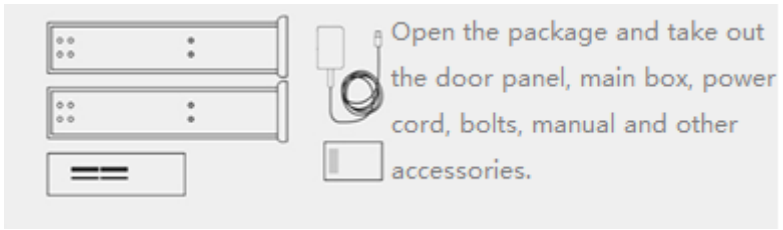
## 3 Installation

### 3.1 Precautions for installation and use

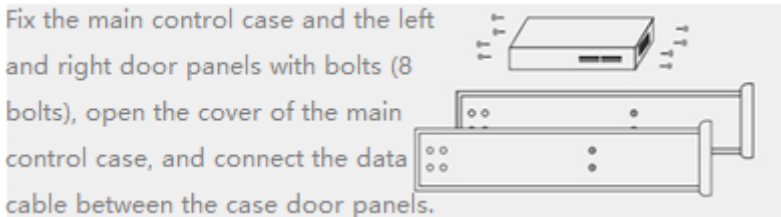
- This product is only suitable for indoor use. If it needs to be installed outdoors, please add rainproof and sun protection facilities such as a rain shed.
- Before installation, please ensure that there is enough space to place the equipment components and install. The installation floor should be flat, strong, and free of vibration to avoid false alarms caused by the shaking of the security door.
- The position of the right probe (door panel) and the corresponding mark must be distinguished before installation.
- Self-checking after the security door is turned on for 20 seconds to achieve the best detection effect.
- The inspected personnel should strictly observe the set standby or alarm time (more than 1 second) when passing, and pass one by one, do not crowd around the security gate to interfere with infrared induction.
- Do not knock or hit the equipment during the detection process, so as not to cause false alarms or even damage to the security door.
- If there is dirt, use a cloth dipped in water or alcohol to gently scrub. Do not scrub with other chemical solvents.
- There is high voltage in the machine, and non-professionals are not allowed to open it without permission to prevent other people from accidents.

### 3.2 Equipment Installation

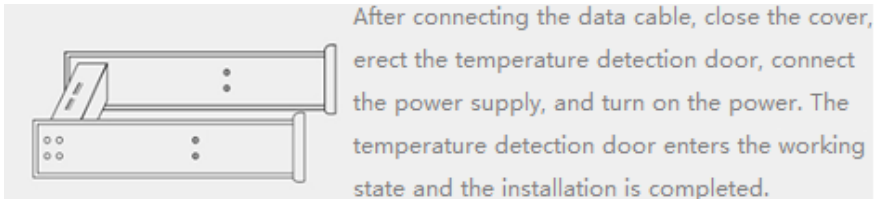
1. Open the packing box, take out all parts of accessories, and check whether the accessories are complete and intact.



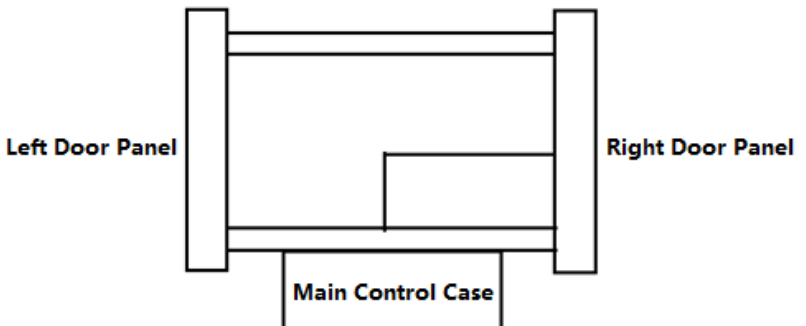
2. Connect the left and right door panels with beams to fix them, and tighten the bolts (four bolts on each side).



3. Fix the main control case to the beam as shown in the figure below.



4. Connect the right detection line to the door panel.



5. Erect the temperature detection security gate.
6. Connect the power, turn on the device, and the device starts to work.

## 4 Commissioning and use

### 4.1 Set the alarm temperature

1. First press the [SETUP] key, the first line displays the temperature XX-X.
2. Enter the password [5432], press the [SETUP] key to enter, and press the [SELECT] key to switch.
3. Enter **【ENTER】** key to confirm.

### 4.2 Temperature calibration process

1. Use the forehead temperature gun to obtain the average temperature measurement error, error = forehead temperature gun measured temperature - security door measured temperature, forehead temperature: firstly use the forehead thermometer to measure the temperature of five people, then go to the security door to measure the temperature. The average error of personal temperature measurement; it is recommended to measure the temperature of the wrist in cold winter and spring: first use the forehead thermometer to measure the temperature of the wrist, and then use the security door to measure the average error.
2. First press the [SETUP] key, then enter password [2345], into calibration setting interface.
3. According to the temperature difference obtained in the first step, use the [SETUP] key to adjust the correction, and use the [SELEC] key to switch.
4. Enter **【ENTER】** key to confirm.



## 4.3 Temperature Detection

### 4.3.1 Precautions for temperature detection

- The person under test must not wear a hat or cover the forehead with an object (masks are allowed)
- When measuring the temperature of the skin surface of the forehead, make sure that the thermometer is pointing to the center of the forehead and keep it vertical! If there is hair or other objects at the measurement site, it will affect the measurement result.
- When measuring from outside or from a place with a large temperature difference from the measurement environment, the subject must be in the measurement environment for at least 2 minutes, and then measure after the temperature is consistent with the measurement environment, otherwise it will affect the measurement results.
- When the device is taken from a place with a large temperature difference between the environment under test, the device should be placed in the environment under test for at least 20 minutes before use.

### 4.3.2 Temperature detection method

There is a temperature measurement point on the door panel. The tester will move his forehead or wrist to the temperature measurement point by about 5-10cm. The system will emit a "beep" sound, indicating that the temperature measurement is over, and the human body temperature exceeds 37.2 degrees (alarm point) then automatic alarm.

## 5 Common problems and treatment

### 1. Different temperature difference from different people

- It is related to the environment, especially when a person has just entered the room from the outside, the skin temperature is affected by the outdoor temperature, which is different from the standard body temperature.

- There is water or sweat on the forehead, because the water or sweat is in the evaporation state, which will reduce the epidermal temperature.
- The temperature compensation setting is unreasonable, adjust the temperature compensation parameters according to Chapter 3.

2. Can the temperature sensor move?

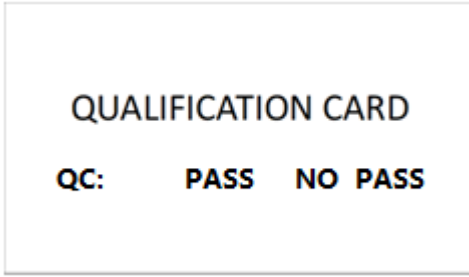
No, you can't move by yourself, if the temperature measurement module is inconvenient to use in special scenes (such as elementary school), you may need to prepare a square bench stool on site. If you need different temperature measurement height, please inform before leaving the factory.

3. The security gate shows that the numerical value is different from the forehead thermometer, and the numerical value is too low for the customer to understand.

The principle of temperature measurement is the same, but the display scheme is different. That is: both of the temperature measuring probes use the thermopile principle to measure the temperature, but when displayed, the forehead thermometer is displayed by the contrast relationship between the forehead skin temperature and the body temperature (the values outside the control range are not displayed). However, the security door directly displays the temperature of the forehead epidermis. Because the epidermal temperature is greatly affected by the environment, the fluctuation range is relatively large. During the debugging process, 10 people with normal body temperature are selected for testing, and temperature compensation parameters are set according to people with relatively high forehead temperature (generally 18-25 year old males), so that the display temperature can be kept at 36.5-36.8 °C. During use, please note:

- When installing indoors, it is recommended to choose the position of the doorway more than 5m inside, so that the ambient temperature tends to be stable and the data is more stable;

- If it can only be installed outdoors, it is recommended to build a tent to keep the ambient temperature above 10 °C;
- Standardize the temperature measurement of the person under test, requiring no hat or no hair covering on the forehead, must keep 5-10cm away from the probe;
- It is recommended to measure the temperature of the wrist covered by clothing;
- The tester should try to stay in the temperature measurement area for 2 minutes to stabilize the forehead temperature;
- The test value only needs to be concerned about whether it does not exceed 37.2 ° C. If it exceeds, it can be retested multiple times to confirm.



## User Warranty Registration Card

Thank you for choosing our company's products, please fill in the content of the warranty card in detail and keep it properly, our company will use this as the basis of warranty.

1. The hardware warranty of this product is 1 year. The specific warranty contents of purchased products shall be implemented in accordance with the terms of the original warranty card attached to the device.
2. Please provide the warranty card and the official purchase invoice approved by the tax department during warranty. If you cannot issue the invoice and warranty card, the free warranty start date of the product will be based on the delivery date of the company.
3. Product warranty does not include installation support, does not involve accessories and consumables, such as manuals, wires, cables.
4. Product failure caused by the following conditions is not covered by the warranty:
  - 1) Product failure due to accidents, negligence, disasters, improper operation or misuse;
  - 2) Damage caused by impact, fire, lightning strike, flooding, human negligence and natural disasters or force majeure;
  - 3) Products that have not been repaired by a maintenance unit authorized by our company.
5. The warranty card is only valid after being stamped by the distributor. .

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