

CY-X03 TEMPERATURE MEASURING DOOR

CHAPTER 1 PRODUCT INTRODUCTION

1. Product introduction:

CY-X03 Temperature Measuring Door adopts advanced infrared temperature sensor, with the sensing distance $\leq 0.5\text{m}$, measurement error at room temperature $\pm 0.5^{\circ}\text{C}$, which has the features of high precision and resolution. Its function is to measure and display the actual body temperature of the monitored person. If the initial temperature setting value is 37.5°C (adjustable), it will alarm when body temperature exceeds 37.5°C ; No person pass through, no temperature will display.

2. Product parameters:

Measurement error: $\pm 0.5^{\circ}\text{C}$ (at room temperature)

Working voltage: 220V~250V

Power: $\leq 48\text{W}$

Net weight: 98KG

Channel size: 2000mm (H) \times 700mm (W) \times 500mm (D)

Dimension: 2270mm (H) \times 830mm (W) \times 500mm (D)

(Subject to material object)

3. Places of application:

Railway stations, bus stations, subway stations, hospitals, gymnasiums, factories, office buildings, large-scale activity sites, etc., and other public places.

4. Product features:

(1) The detection accuracy can be accurate to two digits after the decimal point (the general markets products are only one digit after the decimal point), which is more accurate than those of other companies.

(2) The probe height is adjustable up and down, which can meet the needs of different height groups.

(3) After easy installation, ready to use.

CHAPTER II PRECAUTIONS

Please read the following notes in details, and learn other parts of this manual, so as to operate the device correctly and safely.

1. It is only suitable for indoor use. If used outdoors, temperature error will be caused by the environmental impact.
2. The probe shall not be installed in high temperature, humid and raining environment.
3. Non professionals are not allowed to dismantle the components of control box, not allowed to adjust it.
4. After starting up, it will need 5 minutes of self check to achieve the best detection effect.
5. It must be installed on the flat and vibration free ground, must avoid collision when people passing through.
6. Attached warranty Bill; Free repair during the warranty period.
7. Equipment installation: must use expansion screws to drive into the ground and fix the four feet to avoid moving.

CHAPTER III USAGE

1. Static detection:

Standing at the door of the device, it can detect the body temperature automatically, as shown in the figure.



2. Dynamic detection

The monitor can detect and display the current person body temperature in real time when he is walking through the door at a constant speed.



A. Status Report

A. If the monitored person is in normal temperature, the green indicator light will be on, and the screen will dynamically display its body temperature. As shown in the figure.



B. If the body temperature exceeds the set value (free setting, general default 37.5 °C), the red indicator light will be on, and the buzzer will give an alarm to remind the abnormal temperature.



Function Setting Instructions of Thermal Imaging TEMPERATURE MEASURING DOOR (3.5" Screen Chinese English Bilingual Thermal Imaging System)

Part I: Assembly

1. Remove the package, fix the frame on the ground, and install the temperature measuring box on the frame, as shown in the figure:



(1). The USB connection at the computer end is shown in the figure:
(black is camera signal line, white is thermal imaging probe signal line)



(2). The power connection of the computer end is as shown in the figure: (note the round hole plug)



(3). Two ends of the network cable are connected as shown in the figure:



(4). Plug in the power, the screen displays starting mode; wait for 1-3 seconds, and "00,00" will be displayed on the screen of measuring box, while the red and green numbers are beating alternately, and computer screen displaying both video and thermal imaging images, which indicating that the start is completed. As shown in the picture:



PART 2: DEBUGGING

1. Language Setting

Click "setting" or “设置菜单” in the upper left corner to enter the main menu, as shown in the figure:



Then click the corresponding box in line 3 and column 2 "English" or "Chinese" to enter the following interface:



Click "simplified Chinese" or "English" to complete the language selection.

Next, we take the Chinese interface as an example to set the parameters (English interface is the same). The steps are as follows.

2. Environmental Parameter setting (the first row and first column corresponding grid)

(1). Click "Environmental Parameters" to enter the following interface



The factory default is 7.0. If it is displaying other values, then adjust to 7.0 by "+," - " keys. This is the set value for increasing or decreasing the test results. According to the actual use, try to debug it.

(2). Then click "confirm" key to save it.

3. Alarm temperature 1 setting (row 1 and column 2 corresponding grid)

(1). Click "alarm temperature 1" to enter the following interface:



(2). Adjust by "+," - " keys;

(3). Then click "confirm" key to save it.

(The system default value is 35°C, i.e. when it exceeds 35°C, the green light is on).

4. High temperature alarm 2 setting (row 1, column 3 corresponding grid)

(1). Click "Alarm Temperature 2" to enter the following interface:



(2). Adjust by "+," - " keys;

(3). Then click "confirm" key to save it.

(If it is 37.5°C, no need to adjust. It is the alarm set value of abnormal temperature.)

5. Mode Setting (row 1, column 4, corresponding grid):

(1). Click "Mode Setting" to enter the following interface:



(2) Use "+," - "keys to switch modes (there are 3 optional modes: M4, M5, M6, different temperature compensation algorithms for different modes). The factory default setting M5 IS generally be selected.

(3). Then click "confirm" key to save it.

6. Sensing Distance Setting (row 1, column 5 corresponding grid)

(1) Click "Sensing Distance" to enter the following interface:



- (2) Adjust sensing distance by "+," - " keys;
 - (3) Then click "confirm" key to save it.
- (If it is 55, no need to adjust. It is the set value of temperature measurement program starting when the human body is 55cm in front of measuring box);

7. Upper field angle setting (row 2, column 1 corresponding grid)
(Lower field angle, left field angle, right field angle are and so on)

- (1) Click "Upper Field Angle" to enter the following interface:



- (2). Use "+," - "key to adjust the field angle range; the larger the value, the larger the temperature scanning range, otherwise, the smaller;
- (3). Then click "confirm" key to save it.

8. Alarm Duration Setting (row 2, column 5 corresponding grid);

- (1) Click "Alarm Time" to enter the following interface:



- (2). Adjust the alarm time by "+," - " keys;
 - (3). Then click "confirm" key to save it.
- (If it is 1500/MS, no need to adjust. It is the set value of abnormal temperature alarm time).

9. Sensitivity Setting (row 3, column 1 corresponding grid)

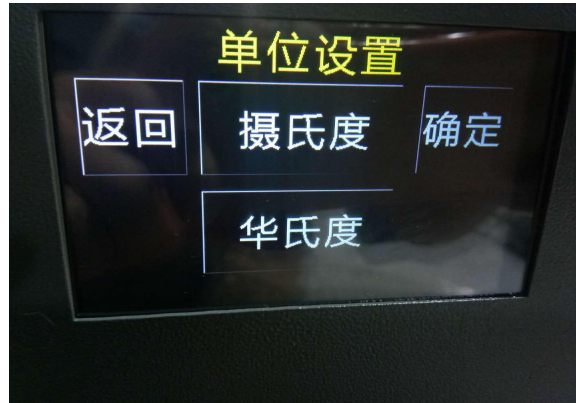
- (1). Click "Inductive Sensitivity" to enter the following interface:



- (2). Through "+," - "key to adjust the sensitivity value (range 3-10, the smaller the value, the faster the equipment runs);
- (3). Then click "confirm" key to save it.

10. Unit Setting (the third row and the third column corresponding grid)

- (1). Click "Unit" to enter the following interface:



- (2). Select "Celsius" or "Fahrenheit" corresponding interface as follows:



- (3). Then click "confirm" key to save it.

11. Restore Factory Settings (row 3, column 4 corresponding grid)

- (1) Click "Restore Factory Settings" to enter the following interface:



You will be prompted whether to clear the statistics or not. After selection, click Confirm key to save it.

After all parameters set, click "Return" (the third row and fifth column corresponding grid).