

# Quick Start Guide

Walk Through Temperature Detector: ZK-D3180S

Version: 1.1

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Due to regular upgrades of systems and products, ZKTeco could not guarantee exact consistency between the actual product and the written information in this manual.

## Introduction

ZK-D3180S walk through temperature detector is a non-contact body temperature measurement preliminary screening security gate. This product can effectively prevent the cross-infection caused by contact when the personnel pass through the security gate, and can conduct temperature measurements rapidly and thus help to increase the efficacy of disease prevention. It's suitable for places such as government agencies, public prosecutors' law departments, shopping malls, schools, stations, pier, stadiums, electronics factories, hospitals, and prisons.

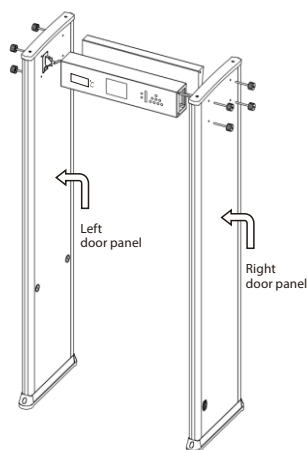
## Important Notice about this Document

- 1 This manual has been checked and confirmed. If there are any printing errors or omissions in the content, the company reserves the right of final interpretation.
- 2 If there are technical improvements to this product in the future, without notice.
- 3 If the appearance and color of the product are changed, please refer to the actual product.
- 4 The internal pictures are for reference only, please know!

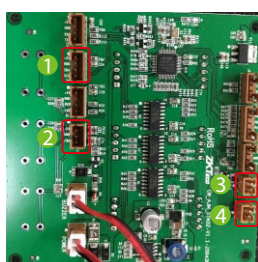
## Components and Dimensions



## Installation and Wiring



1. Open the Control Unit and the Door Panel from the package.
2. Mount and connect the Control Unit and the Door Panels (both the left and the right door panels) with the nuts and then tighten the screws as shown in the image.
3. Insert the probe-lines of the left and right door panels to the corresponding sockets on the mainboard.
4. Lift the walk through temperature detector to the vertical position and move it to the required place.
5. Plug-in the power cable.

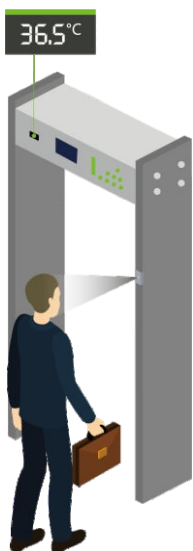


- 1 **4Pin terminal (J4):**  
Used for wiring the temperature probe on the right door panel.
- 2 **3Pin terminal (J15):**  
Used for wiring the infrared distance sensor on the right panel.
- 3 **2Pin terminal**  
Used for wiring the alarm zone LED of the left door panel.
- 4 **2Pin terminal**  
Used for wiring the alarm zone LED of the right door panel.

## Using Instructions

Please place the person's forehead or wrist in front of the Infrared temperature probe about 5-10cm away, after the person enters the detection area whose temperature is to be measured. Upon completion of the test, a beep sound is heard which indicates that the temperature of the individual is normal.

When the temperature in the temperature display area is 37.3 °C or higher, the security gate will sound "beep, beep, beep" with sound-light warnings indicating that the temperature of the individual is detected abnormal and is restricted to pass through. More observations and tests will be conducted on the individual to verify their health status.



### Note:

1. Temperature measurement data is for reference only, not for medical use. This product is not suit for environment with strong light or high temperature. It is recommended to use this product indoors without wind.
2. Once you turn on the device or change an application environment, please leave it for 10-15 minutes to calibrate the accuracy.
3. During use, please place the person's forehead or wrist align the infrared temperature probe and cover the distance sensor.

## Parameters

Infrared temperature sensor	Medical infrared temperature sensor (High accuracy of IR temperature acquisition module, single probe round structure)
Temperature measurement method	By detecting body temperature of forehead or wrist
Optimal detection distance	50mm-100mm
Number of temperature probes	1 (optionally equipped with multiple probes, consistent performance)
Probe mounting height	1.5m from the ground (customizable)
Temperature measurement error	±0.5°C
Detection time	≤1s
Temperature measurement range	30°C ~ 40°C
Multiple measurement interval	2s
Display method	Digital tube
Alarm method	Audible and visual alarm
Power supply	AC100-220V, 50 / 60Hz
Rated power	≤40W
Working temperature	16°C - 38°C
Shell size(H*W*D)	2200 * 820 * 580(mm)
Channel size(H*W*D)	2200 * 710 * 580(mm)
Packing size (door panel)(H*W*D)	2280 * 260* 580(mm)
Packing size (main box)(H*W*D)	780* 390* 250(mm) * 1ctn
Weight	Around 70kg

## Precautions for Use

1. ZK-D3180S walk through temperature detector is recommended to be used in an indoor environment, avoid using in strong light and high temperature environment.
2. The temperature measurement point infrared probe is 1.5 meters above the ground. If the height is less than 1.5 meters, the forehead cannot be detected. The temperature can be detected by the wrist. You can also customize the required distance and height when purchasing the product to meet the needs of the place of use.
3. The inclination angle of the temperature measuring probe is 15 degrees. When passing the security gate, the passer normally passes near the temperature measuring probe, deflects his head slightly, and points his forehead to the temperature measuring probe to about 15cm for detection.
4. To assist the epidemic prevention temperature measurement work, it is suggested to assign a staff member to manage the temperature measurement at the entrance of the channel, guide the operation of the tested personnel, and ensure the accuracy of the temperature measurement.
5. Do not disassemble the control units except the professional technician.