

Sample Specification

Product name:	Card Reader
Product Model:	KR332D-RS
Original P/N:	KR332D-RS
Material No.:	300045419
Specification :	Desfire/IC Card Reader (RS485 Communicaiton/Wiegand 93.3mm×93mm×19.3mm±0.5mm)
Sample date:	2025.07.02
Sample Qty.:	4PCS



Supplier confirmation	Compiler	Reviewer	Approver
	唐日燕	张武明	陈建平

KR332D-RS IC Card Reader

I. Brief Introduction

1. Feature

- ◆ The reader Built-in RFID antenna and work frequency 13.56MHZ
- ◆ Effective distance 0-3cm (different distance base on different working environment and different cards)
- ◆ Fully seal by glue, waterproof, moisture-proof, can provide password recognition function
- ◆ Communication interface: WG/RS485

2. Application fields

It is widely used in various radio frequency identification application fields such as access control, attendance, charging, anti-theft, and patrol.

II. Product appearance



III. Technical parameter

1. Basic parameter

Feature	Description
Product model	KR332D-RS
Specification size	93.3mm×93mm×19.3mm(±0.5mm)
Long outline	220mm±10mm
Support cards	IC Cards
Operating frequency	13.56MHZ
Power supply	DC 12V(+/-5%)
Current consumption	The standby current does not exceed 130mA, and the card swiping current does not exceed 200mA
Firmware version	V1.01
Hardware version	V1.00
Operating temperature	-20°C ~ 60°C
Storage temperature	-20°C ~ 80°C
relative humidity	20% ~ 80%

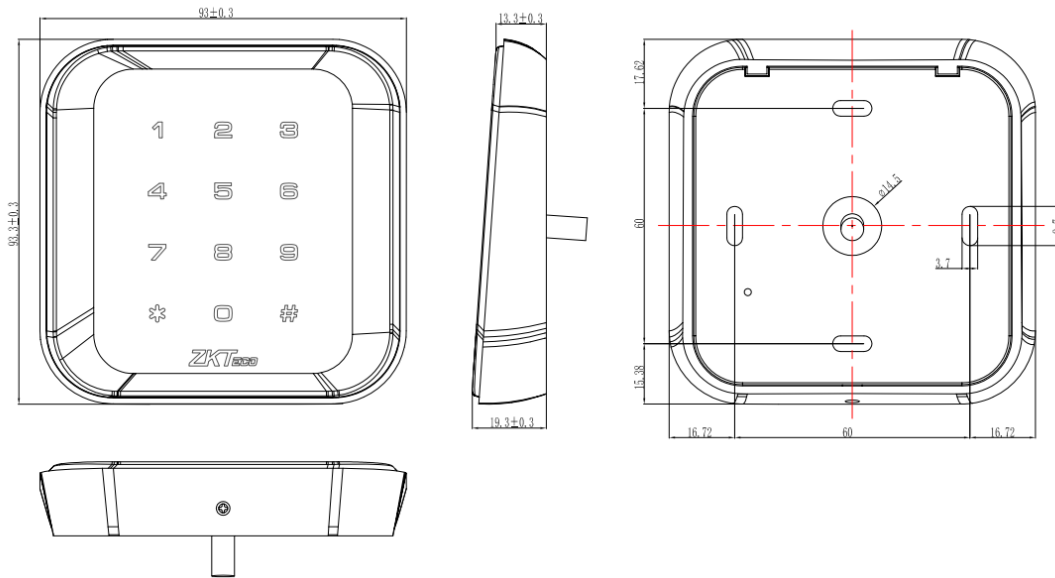
2. Swipe card distance:

No.	Card type	Distance Standard (Non-Metallic Environment)	Remark
1	S70 card	0-6.5CM	Remarks: 0~L(L≥Lcm) (non-metallic environment, card center and card reader center position)
2	S70 keyfob	0-4.5CM	
3	CPU keyfob	0-2.0CM	
4	S50 card	0-6.5CM	
5	MF 7byte card	0-7.0CM	
6	Config card	0-3.0CM	
7	CPU card	0-4.0CM	
8	Desfire card	0-4.0CM	
9	Desfire content	0-3.5CM	
10	NTAG card	0-6.0CM	
11	Ultralight	0-3.0CM	
12	TypeB	0-3.5CM	
13	15693 card	0-7.0CM	
14	HID iclass (Keyfob)	0-5.0CM	
15	HID iclass DL	0-7.0CM	
16	HID iclass GP	0-7.0CM	
17	HID iclass clamshell card	0-7.5CM	

IV. Appearance structure (Unit: mm)

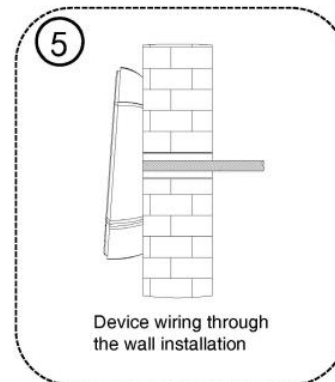
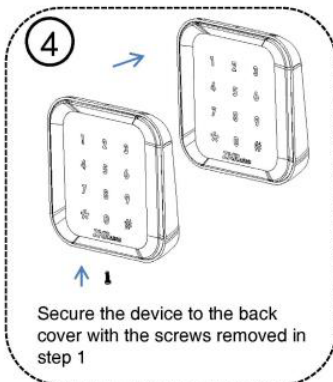
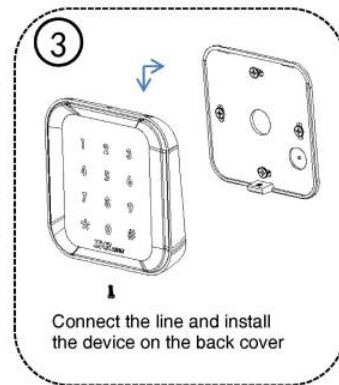
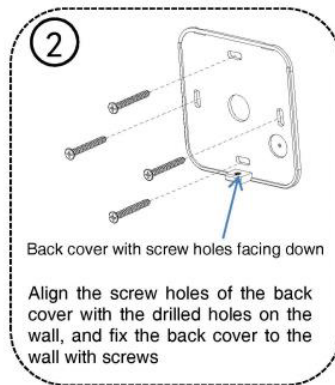
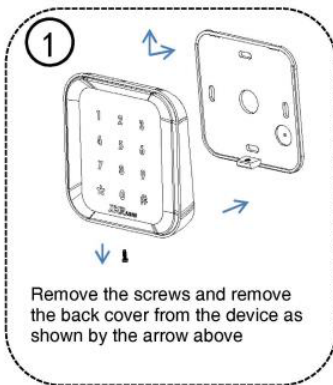
R332(有ZKTeco LOGO&新按键字体) 外形图

单位: mm (毫米)
比例:1/1



V. Installation instruction (Pictures for reference only)

Installation precautions: To ensure the normal use of the equipment, users are requested to strictly follow the installation instructions



VI. Wiring function description

Wiring color	Description
Red	7-24V
Black	GND
Gray	485A
Brown	485B
Blue	GND
Green	D0
White	D1
Orange	GND
Pink	NA
Yellow	Buzzer wire input, low effective
Purple	TAMPER (Alarm output, low effective)

VI. Packing details

Package	Size	Packing material
Packing box	131*123*56MM (Overseas only)	Reader 1PCS Screw 2PCS Expansion tube 2PCS Liner 1PCS (Overseas only)
Carton	Material K=K/Size: 483*305*225MM	50PCS/Carton

Environmental Compliance Statement

The company makes the following solemn statement about the products provided:

- 1. This product complies with GB/T 26572-2011 "Limit Requirements for Restricted Substances in Electronic and Electrical Products" and exceptions to restricted substances stipulated by the state.
- 2. This product complies with GB/T 26125-2011 "Detection Methods for Six Restricted Substances in Electronic and Electrical Products".
- 3. This product complies with SJ/T 11364-2014 "Requirements for the Restriction of the Use of Hazardous Substances in Electronic and Electrical Products".
- 4. Product Description:

No.	Material number	Product No.	Remark
1	300045419	KR332D-RS	

SHENZHEN RADIO TECHNOLOGY CO., LTD

2rd July, 2025

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.