User Manual

KR614-RS/KR614-OSDP

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English

About the Manual

- This manual introduces the operations of **KR614-RS/KR614-OSDP**.

Product Series	Product Model	Communication Protocol
KR614	KR614-RS	RS485 Protocol
	KR614-OSDP	RS485 Protocol, OSDP Protocol

- All figures displayed are for illustration purposes only. Figures in this manual may not be exactly consistent with the actual products.
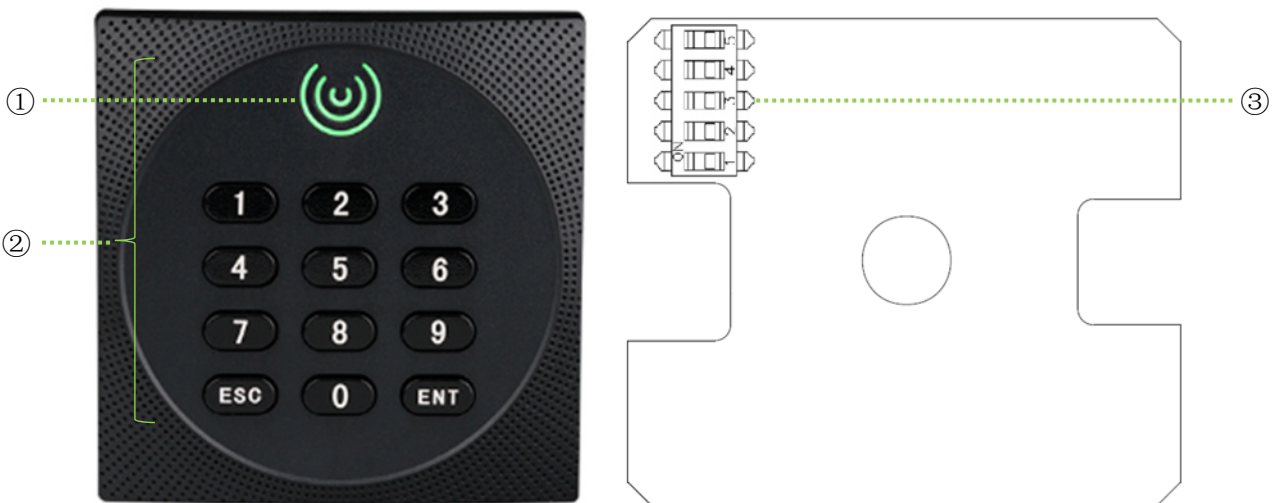
About the Manual

Table of Contents

1   Overview

1.1 Dimensions

Appearance	Dimensions (Error: ±3mm)
	86mm*86mm*20mm

1.2 Appearance Description

No.	Name	Description
1	Status Indicator	Displays the device status. The indicator is always on red when the device is in standby.
2	Card Swiping Area	RFID smart card swiping area.
3	DIP Switch	When you dial keys 1, 2, 3, and 4 to ON, the corresponding RS485 address is 1, 2, 4, and 8. For example, dial 1 and 2 to ON at the same time indicates address 3.

		When you dial key 5 to ON, the baud rate is 9600, and when you dial down, the baud rate is 115200. After switching the baud rate, disconnect the power supply and reconnect.

2   Wiring and Installation

2.1 Wiring Definition

No.	Color	Function
1	Red	+12V
2	Black	GND
3	White	RS485 A+
4	Green	RS485 B-

3   Operation

3.1 Card Reader Test

First, connect the device to the +12V power supply and wait for starting. When the device starts, the green light flashes once, the buzzer beeps once, and the device turns to standby mode. The red light of the status indicator is always on, indicating that the device is successfully started.

Swipe card test:

Put the user card onto the card swiping area of the device, the green light flashes once, the buzzer beeps once, and the device transmits the card data through the data line.

Password test:

Press the door opening password on the device, and confirm with the # key. The device transmits the password data through the data line.

Appendix

Card Reader Status Description

Category	Description
The buzzer beeps once and the green light flashes once	Swiping card successfully verified
The buzzer beeps once	Press keys
The red light of the status indicator is always on	Standby
The buzzer beeps 3 times and the green light flashes 3 times	Communication timeout

Precautions:

1. For the power supply of the card reader, it is recommended to use a non switched linear DC power supply. It is recommended that the power supply distance should not exceed 100 meters, if it exceeds 100 meters, please use a separate power supply.
2. To ensure the normal operation of the card reader, set the input power between 12V ± 10%.
3. It is recommended that the distance between two card readers be at least 30 cm.
4. To reduce long-distance noise, the shielding layer of the transmission line shall be grounded with the card reader and the access controller.