

READX-X4

SKU no. 74640



READX-X4 OSDP

Slave keypad with multi reader

- Built-in **OSDP** with 128AES encryption
- Built-in **Wiegand**
- Narrow profile slave keypad fits doorframe 50mm
- Built-in NFC, Mifare, HID and EM multi-reader
- Slave keypad/reader for access control systems
- White LED key backlighting
- Red/green LED indication
- Built-in sounder
- Waterproof: IP66 (embedded electronics)
- **MIFARE**: NXP, Plus, DesFire, Pro, UltraLight, Class 4K reads 13.56MHz
- **NFC** reads 13.56MHz
- **HID** reads 125KHz
- **EM** reads 125KHz
- Reading distance up to 3-6 centimeters
- Supplied with 3 meters black cable
- Keyboard data 4 - 8 bit burst or 10 bit virtual
- Input for control of LED indication (WG)
- Input buzzer (WG)

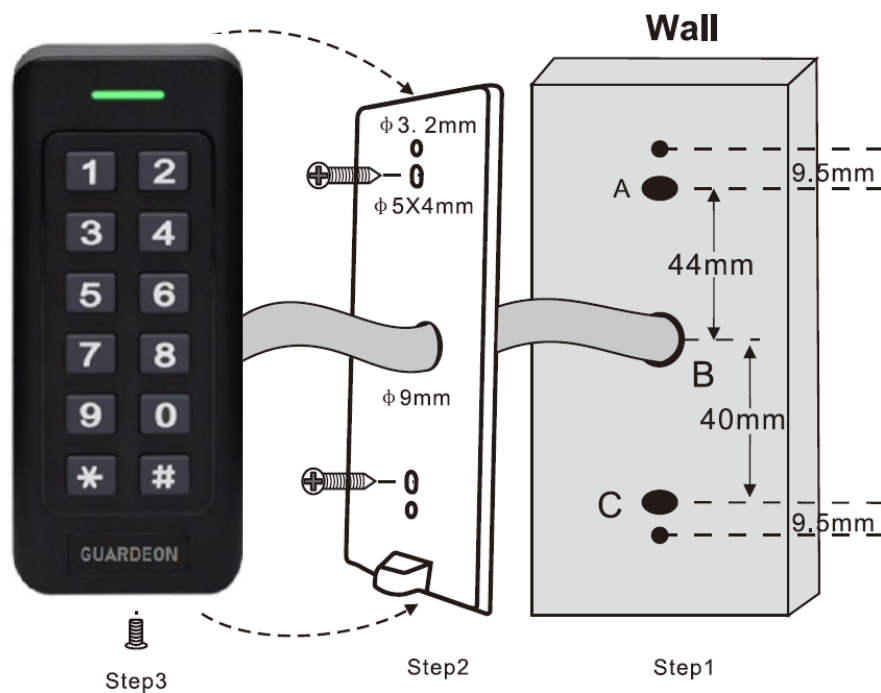
- Wiegand EM adjustable 26-44 bit output
- Wiegand HID adjustable 26-37 bit output
- Wiegand MF adjustable 26 to 44 – 56, 58 bit output
- Supply voltage: 12-18VDC/max. 50mA
- Simple and easy installation
- Reading time: less than 300ms
- Environment: -40 to +50 °C
- Color: BLACK
- Material: ABS Plastic
- Dimensions in cm: (HxWxD) 12 x 5 x 2 cm (narrow profile)
- Weight: 150g



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2. Installation

- Drill 2 holes (A, C) on the wall for the screws and one hole (B) for the cable
- Knock the rubber bungs to the holes (A, C)
- Fix the back cover on the wall with 2 screws
- Thread the cable though the cable hole (B)
- Attach the unit to the back cover

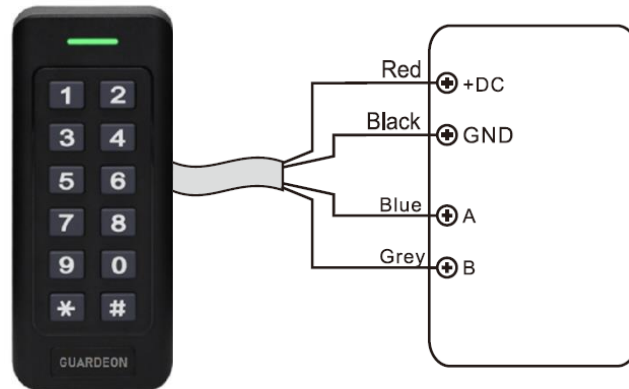


Wiring

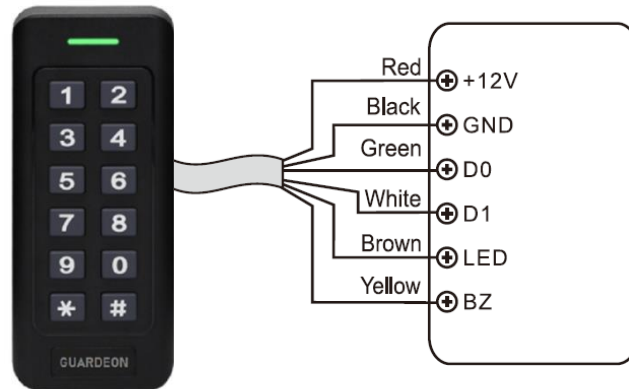
Color	Function	Notes
Red	Power +	+12V
Black	GND	Ground
Green	D0	Data 0
White	D1	Data 1
Brown	LED	Green LED Light Control
Yellow	Buzzer	Buzzer Control
Blue	A	RS485A
Gray	B	RS485B

Connection Diagram

Connect with OSDP Controller



Connect with Wiegand Controller



3. Programming

Note: When enter program mode, need press * for 5 seconds, then press Master code # (Factory default master code: 123456)

Set Master Code (6 digits)

The Master Code is used to prevent unauthorized access to the system, we highly recommend immediately updating it and recording the New Master Code.

Programming Step	Keystroke Combination
1. Enter Program Mode	*(Master Code) # (factory default: 123456)
2. Update Master Code	0 (New Master Code) # (Repeat New Master Code) #
3. Exit Program Mode	*

Set Wiegand Format for EM Cards

Programming Step	Keystroke Combination
1. Enter Program Mode	*(Master Code) #
2. Set Wiegand Format OR Disable EM Card	1 (26~44) # (Factory default is 26bits) 1 99 #
3. Exit Program Mode	*

Set Wiegand Format for HID Cards

Programming Step	Keystroke Combination
1. Enter Program Mode	*(Master Code) #
2. Output Format Setting OR Disable HID Card	2 0 # (Auto output, factory default) 2 (26-37) # 2 99 #
3. Exit Program Mode	*

Set Wiegand Format for MIFARE Cards

Programming Step	Keystroke Combination
1. Enter Program Mode	*(Master Code) #
2. Output Format Setting OR Disable MIFARE Card	3 0 # (Auto output) 3 (26-44, 56, 58) # (Factory default is 34 bits) 3 99 #
3. Exit Program Mode	*

Set PIN Output Format

Programming Step	Keystroke Combination
1. Enter Program Mode	*(Master Code) #
2. Virtual Card Number Output PIN output PIN output	4 0 # 4 4 # (factory default) 4 8 #
3. Exit Program Mode	*

Set Keypad Backlit

Programming Step	Keystroke Combination
1. Enter Program Mode	*(Master Code) #
2. Keypad Backlit Always ON OR 2. Keypad Backlit Automatic OFF after 20s	5 1 # 5 2 # (factory default)
3. Exit Program Mode	*

Baud Rate Settings (Factory default: 9600)

Programming Step	Keystroke Combination
1. Enter Program Mode	*(Master Code) #
Setting values:	6 (4800, 9600, 14400, 19200, 38400, 56000, 57600, 115200, 128000) #
3. Exit Program Mode	*

Note: The baud rate of all readers under the same controller should be set to the same with the controller's baud rate, otherwise the connection will fail.

OSDP Address Settings (Factory default: 0)

Programming Step	Keystroke Combination
1. Enter Program Mode	*(Master Code) #
Setting the address	7 (0-126) #
3. Exit Program Mode	*

Note: The addresses of all readers under the same controller should be set to be different, otherwise the two readers will conflict

Reset to Factory Default (two methods)

Method 1

Programming Step	Keystroke Combination
1. Enter Program Mode	*(Master Code) #
2. Reset to Factory Default	5 0 #
3. Exit Program Mode	*

Method 2 (This way is suitable for users forget the master code):

Power off, connect Yellow wire and GND wire, then power on, the LED in Orange, wait for 5 seconds, there will be a beep and LED turns to red, means reset to factory default successfully, then disconnect the Yellow wire and GND wire.

4. Indicator light status

Operation Status	Indicator light color	Buzzer
Standby status	OSDP Controller decides	
Correct Card	OSDP Controller decides	beep-
Error Card	OSDP Controller decides	beep-

5. Packing List

Name	Quantity
Reader	1
Manual	1
Self Tapping Screws	2(Φ4*25mm)
USB Serial Tools	2
Rubber plug	2