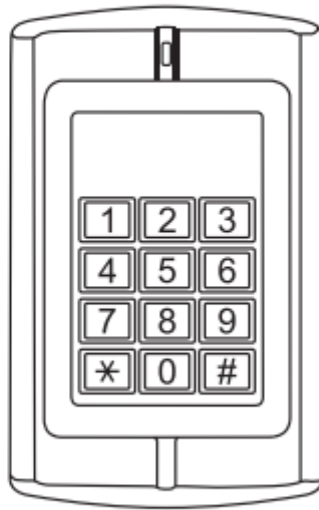


single standalone access controller



Please read this instructions carefully before use

1. Introduction

This series of products installed the new 32-bit ARM core microcontroller. They are functional, stable and reliable. They are the new generation of multifunctional access controller, including Card reader mode, Single-door lock mode, Interlock mode, Demo mode, etc. They are widely used in offices, homes, villas, banks, prisons and other places.

2. Function Features

- 125 KHz EM card and HID card can be read simultaneously.
- Card reader mode, Interlock mode and Demo mode switch.
- Card read with pin and Multi-cards read function.
- Support super power card and super power PIN to open door.
- Support
 - Add-card (new cards add on after read admin card),
 - Delete-card: cards delete after read admin card,
 - Anti-duress-card: Contact local security function after read admin card,
 - Authorization-card: Authorize new card after read admin card, and
 - Normal-open-card: Normal long time door open with card operation.
- Support card setting for quick access to the management menu.
- The number of card users can add up to 20,000 pcs, the admin card can add up to 21 pcs.
- The “#” key can be used as doorbell button.
- Self-adapted infrared detection with Anti-demolition technology, 24/7 alarm setting. Working under any visible light interference.

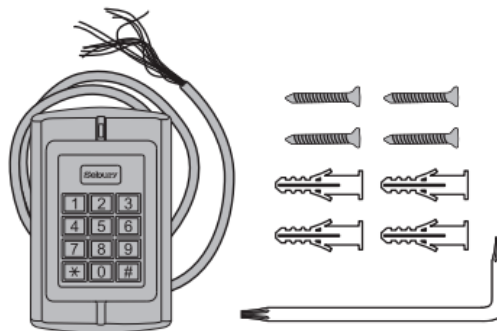
3. Technical Parameters

- Working Voltage: AC/DC 10V-28V
- Standby current: $\leq 35\text{mA}$ (Input DC 12V)
- Operating current: $\leq 100\text{mA}$ (Input DC 12V)
- Working temperature: $-40 \sim 60^{\circ}\text{C}$
- Working humidity: 0 ~ 95%
- Electric lock signal relay contact current: $\leq 1\text{A}$
- Alarm (or doorbell) signal MOS wire output current: $\leq 1\text{A}$
- Maximum distance to read EM card: $\leq 5\text{cm}$
- Maximum distance to read HID card: $\leq 5\text{cm}$

4. Installation, Wiring and Debugging

4.1 Installation

Unlock the bottom of the product with a special tamper-proof screwdriver, remove the bottom of the product, and drill the hole with the impact on the wall to cover the corresponding hole, including a diameter greater than 8 mm Of the outlet hole and four diameter 6 mm plastic foam screw, and then stuffed four matching plastic expansion screw, with four matching self-tapping screws to the bottom shell fixed to the wall..



4.2 Wiring

According to the selected wiring diagram, cut the lead wire to the right length and cut off the excess wire, through the wall or in the embedded box, connect the system line with the wiring diagram. Be careful not to connect the wrong or short circuit, otherwise it may destroy the machine. After final checking, power on for a short time, test if the indicator light is normal and if the buzzer ring a beep. Otherwise, power off immediately and recheck the wiring properly. After check again and make sure wiring correctly, install the front case of the product onto the bottom case on the wall and fix it with the anti-demolition screw.

4.3 Testing

Power on, conduct the test according to No.5 Getting Started till we can open door by reading card, input PIN or exit button.

External lead wires and functions table :

Color	Function	Description
Light green	AC2	One port of the AC power supply
Blue	NO	Normal open port of relay
Purple	COM	Common port of relay
Orange	NC	Normal close port of relay
Grey	Alarm (BELL)	Alarm (or doorbell) signal MOS drain output
Yellow	OPEN (BEEP)	Exit button input(or external control input of buzzer)

← will use these two

Brown	D_IN (LED_G)	Door contact input (or external control input of green LED)
Red	+12V (or Ac1)	Positive DC power (or another port of AC power supply)
Black	GND	Ground
Green	D0	Wiegand signal, D0 input or output
White	D1	Wiegand signal, D1 input or output
Pink	LED-R	External control input of red LED

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