



## 1 Product introduction

This product is EB-16-R and EB-17-R infrared remote control access controller. The product design has many functions such as distance sensing, delay, remote unlocking(inching, self-locking, learning and clearing), and can be selected by itself.

## specifications

EB-16-R series	
Dimensions	115 X 70 X 25mm
Standard Structure	Stainless steel Panel, Steel Button
Current Rating	3A,36VDC Max
Output Contact	+12V GND NO NC COM
Mechanical Life	1000000 tested
Suitable for Door	Hollow Door
Operating temp	-10°C ~ 55°C (14°F-131°F)
Operating Humidity	0-95% (non- condensing)
Detection range	0.1-10cm

EB-17-R series	
Dimensions	86 X 86 X 35mm
Standard Structure	Stainless steel Panel, Steel Button
Current Rating	3A,36VDC Max
Output Contact	+12V GND NO NC COM
Mechanical Life	1000000 tested
Suitable for Door	Hollow Door
Operating temp	-10°C ~ 55°C (14°F-131°F)
Operating Humidity	0-95% (non- condensing)
Detection range	0.1-10cm

### LED Indicator

White LED indicator	Power OFF
Blue LED indicator	Power ON(standby)
Red LED indicator	Power ON(sensation)
Weight	0.25kg
Standard Packing	70pcs

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## wiring diagram

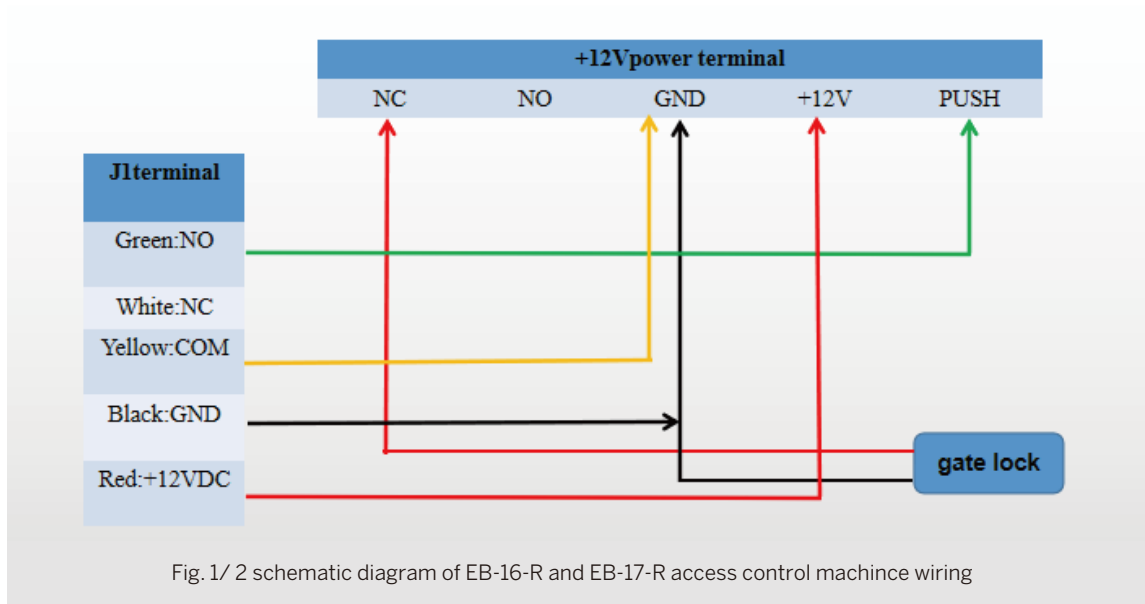


Fig. 1/ 2 schematic diagram of EB-16-R and EB-17-R access control machine wiring

## Technical parameters

Operating voltage	DC12V
Standby current	<=50mA
433 Remote control distance of remote controller	> 15 m
Storage capacity	30 users
Unlock delay time	<=30 seconds adjustable
Sensing distance	5~20cm
Overall dimension	86-86-26mm

## functional operation

Note: after the power is turned on, the blue light is always on and the machine is in standby state.

### 1) 433 remote control function:



Short circuit cap



A position where a short circuit cap can be plugged in.

S--learning: the short circuit cap is inserted into the S position of the double-way output pin mark point, and the blue light flashes and the machine is in learning state; Pressing the 433 remote control (buzzer rings) indicates that the learning information is successfully entered.

**Note:** the remote controller can input 30 users, if you want to enter the 31st user, the 31st user's information will be transferred to the first user, the first user's data will be invalid, and so on.

N--crawl : After the short circuit cap is inserted into the N position of the double output needle punctuation point, the blue light is always on. Press the remote controller button (green light, buzzer call) to unlock and reset automatically after 0.5s.

**Note:** in click mode, single key, double key remote control can be locked by any key, self-reset after 0.5s.

L—Self-locking: After the short-circuit cap is inserted in the L position of the two-way output pin point, press the remote control A key (The buzzer sounds, the green light is on, it is always in the unlocked state).



Press the B key of the remote

control again, the buzzer rings, and the blue light is on and reset. Press the B key of the remote control again, the buzzer rings, and the blue light is on and reset.



**Note:** In the self-locking mode, the single key remote control can only be unlocked and cannot be locked; the double bond remote control A key is unlocked, and the B key is reset.

D--Delete.: the short-circuit cap is inserted in the D position of the two-way output pin-and-pin punctuation, the blue light flashes, and the long-time sound is long after the five-sound, and the long-ringing state indicates that the remote controller data is deleted successfully.

2) Distance adjustment.



potential device

The induction distance can be adjusted by twisting the blue square potentiometer behind the circuit board, the range of which can be adjusted is 5 × 20 cm, the clockwise twisting is small, and the counterclockwise twisting is large.



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