

## 1. E KR101E Profile

### **Profile:**

Double frequency product E KR101E card reader (125KHz , introduction of foreign core technology update and new production processes, completely independent intellectual property rights, small power consumption, high sensitivity, far reading distance, high performance, low price, anti-interference, strong stability, mainly used in smart parking, access channel management, access control and so on industries, built-in receiving antenna, standard operate frequency 125KHz , the use of contactless radio frequency ID cards with EM format cards.

### **Features:**

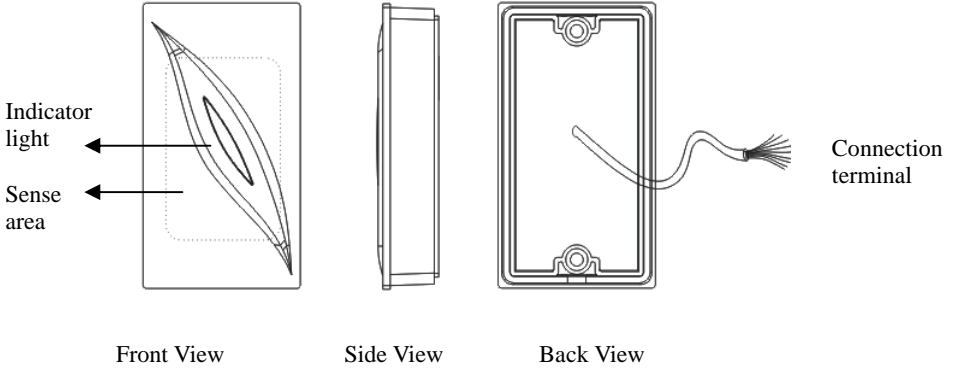
- support EM cards
- A variety of communication interfaces, ID card has interfaces of Wiegand 26, . Wiegand 26 can be set by the control system of Wiegand reader, and the default setting is Wiegand G26. The Wiegand data format of card reader can also be set by the control system of Wiegand reader.
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- Small size, lightweight and compact appearance.
- Red light, green light, the buzzer with external control interfaces.
- Since using epoxy resins to seal completely, interferences of severe environment can be reduced to the minimum.

### **Technical parameters**

- Operate frequency of built-in receiving antenna: ID as standard 125KHz
- Read response speed: less than 0.2s
- Power supply specification: +DC12V
- Operate current: 100MA
- Appearance size: 77.5 \*43.5\* 16MM (L \* W \* H)
- Supported cards: ID cards
- Read distance: greater than 3CM (The distance is varied with the card)
- Communication distance: Wiegand is greater than 50 meters
  - Operate temperature: -10°C ~+75°C (low temperature and high temperature may affect the product, if performance changed, it will restore naturally after temperature recovery)

## 2. Appearance



**Indicator status:** when power on, the buzzer will have a prompt sound of ‘di’, indicating the complete initialization, at the same time the red light will be lighted up; When brushing the card, the buzzer will have a prompt sound of ‘di’, at the same time the red light is off, later the green light will flash once; when in standby, the red light will be constant on.

**Sense area:** sense area of card.

### Connection terminal definitions:

Type	Cable color and definition	Function
Power connection	Red (DC+12V)	DC+12V
	Black (GND)	Ground cable
Wiegand	Green (WD0)	Output Wiegand data 0 signal
	White (WD1)	Output Wiegand data 1 signal
Green LED	Grey	
Beeper	Purple	

### **3. Connection with access controller**

E KR101E as a card reader, it can not work by itself, only can connect with the access controller or access control device to provide a front-end to identify cards. As below shown (when connection, please refer to connection terminal definitions):