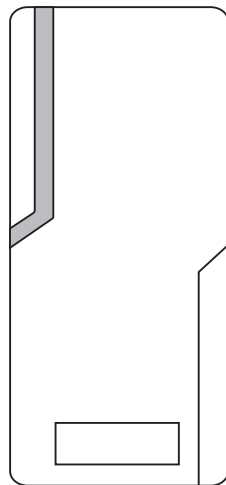


# R2 Waterproof Card Reader



User Manual

## 1. Packing List

Name	Quantity	Remark
Card Reader R2	1	
User Manual	1	
Rubber Bungs	2	6*24mm, used for fixing
Self Tapping Screws	2	KA4*25mm, used for fixing

## 2. Description

The R2 is a Wiegand 26 bits proximity card reader ( For other Wiegand format, like Wiegand 34 bits or Wiegand 37 bits...etc, can be customized ), fully waterproof, with 4 card interface options: EM or HID or EM&HID or Mifare.

R2-EM supports 125KHz EM card;  
R2-H supports 125KHz HID card;  
R2-E&H supports 125KHz HID card & 125KHz EM card;  
R2-M supports 13.56MHz Mifare card.  
The machine is easy to operate with fashion design.

## 3. Wiring Diagram

Wire	( * Optional connections)
Red	+12V DC
Black	GND
Green	D0
White	D1
* Brown	Green light-emitting diodes
* Yellow	Buzzer

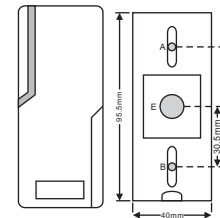
### Note:

- > System should be connected to GND specially.
- > Power is suggested to be linear stable power supply.
- > When LED level is low, the LED light will turn into Green.
- > When BZ level is low, the Buzzer will beep, after 30s or BZ level rising, the Buzzer will back to normal.

## 4. Install Diagram

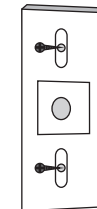
### ① Preparing

- \* Positioning "A" "B" "E", then drill the holes and foist the rubber bungs into the holes.



### ② Connecting & Installation

- \* Fix the back cover and thread the cable through the cable hole.



## 5. Parameters

Model No	R2-EM	R2-HID	R2-EM&HID	R2-Mifare
Frequency	125KHz	125KHz	125KHz	13.56MHz
Card style	EM Card	HID Card	EM Card & HID Card	Mifare Card
Reading ranges	≥50mm	≥50mm	≥50mm	≥30mm
Output format	Wiegand 26 ( For other Wiegand format, like Wiegand 34 bits or Wiegand 37 bits...etc, can be customized )			
Color	Black			
Working voltage	+12V DC			
Static current	≤30mA			
Working temperature	-40 ~ 50°C	-40 ~ 50°C	-40 ~ 50°C	-20 ~ 50°C
Working humidity	0% ~ 95%			
Measurement	50L x 103W x 23H(mm)			