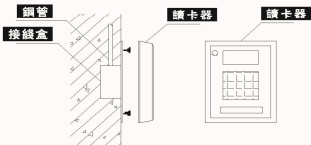# 读卡器用户手册

保修卡

受到满意的售后服务,请您保存好保修卡。
日起一年内,若出现非人为损坏的故障,
保修服务。

于正常使用下有效。一切人为损坏(例如:
、连接不适当配件、未依说明书使用或
的损坏、非经本公司认可之维修和改装、
裂、附件超过保修期需更新等),均不在
内。

保修卡,保修卡不得涂改,否则作废。

照出厂合格证。

故障现象	更换零件	检修人

★安装说明

1、将读卡器盒内的贴纸贴在欲安装读卡器的位置上,
   按标示位置钻两个定位孔及一个中间的出绕孔,定
   位孔塞上胶塞.
   (注: 若安装在墙上的话,暗装需要预埋86安装盒.)
2、使用十字螺丝刀拧下固定面板与底板的螺丝,取下
   底板,使用螺钉将底板固定于控制出入口侧墙壁.
3、将读卡器的线穿过出线孔,按说明书接好绕线后,将
   读卡器面板与底板的螺丝固定好.

钢管
接线盒
读卡器
读卡器

★安装注意事项

1、上电之前必需确认电源的电压(DC12V)和正负极.
2、当使用外接电源时,一定要与控制器共用同一电源
   或共同一电源地.
3、读卡器到控制器的线,建议使用8芯屏蔽多股双绞
   线,数据线DO、D1互为绞线更好;线截面积建议
   0.22平方毫米以上;传输线最长不可以超过100米.
   屏蔽线可接控制器的GND;加粗或者双股合一股给
   读卡器供电,有助于提升读卡器的性能.

CE ♻

★接线方式

WG26/34	RS485	RS232
红线:DC12V	红线:DC12V	红线:DC12V
黑线:GND	黑线:GND	黑线:GND
绿线:DO	绿线:4R−	绿线:TX
白线:D1	白线:4R+	白线:RX
蓝线:LED		
黄线:BEEP		
橙/灰绿:WG26/34		
紫线:门铃		
紫线:门铃		

★技术参数

● 工作电压 DC5~16V   ● 工作电流 < 50mA
● 工作温度 −25℃~85℃   ● 读卡速度 < 0.2秒
● 工作湿度 10%~90%   ● 打卡间隔 < 0.5秒
● 感应距离 ID,HID,AWID(8~15CM)/IC(3~6.5CM)
● 支持卡片 EM−ID卡、中距离ID卡、M1卡、HID卡、
            AWID卡、15693卡、1443A、1443B
            (64bits,Manchester编码/S50/Mifare)
● 读卡频率 125KHz/13.56MHz
● 通讯方式 Wiegand26/34/ABA/RS232/RS485
● 通讯距离 维庚100m、ABA、RS232格式10m、
            RS485格式1200m
● 内置   天线、喇叭、蜂鸣器、红(蓝)绿双色LED
● 传送方式 Wiegand、RS232实时传送方式.
            (RS485寻址方式传送)

★产品特性

本系列的125KHz,13.56MHz非接触式射频ID卡和
M1维庚读卡器,均采用先进的射频接收绕路设计及工业
级的嵌入式微控制器,结合高效译码算法,完成对64bits
Read−Only uem4100兼容式ID卡和Philips公司Mifare
标准的13.56MHz射频IC卡的接收和输出.

本系列读卡器具有接收灵敏度高、工作电流小、
单直流电源供电、价位低、性能稳定性高等特点.

适用于门禁、考勤、收费、巡更、一卡通、楼宇对
讲、停车场管理系统、高速公路等射频识别应用领域.

★产品优势

■ 抗金属屏蔽和读卡器相互干扰能力强.
■ 先进的防死机电路设计、防浪涌保护、防错接保护.
■ 使用纯数字式进口射频基站芯片、无误码设计.
■ 智能化声音和灯光控制模式.
  (超高亮蓝色灯指示给您全新的视觉效果.)
■ 蜂鸣器声音清脆响亮、不會受干扰变调.
■ 传输距离长、可达100米.
■ 采用进口树脂封胶、密封型强、室内外使用皆宜.
■ 符合国际标准的接线方式.
  (同时支持WG26和WG34、衹需将WG线与地短接
   或悬空、即可实现WG26/34切换、既方便又适用)
■ 输出采用玻璃放电管和半导体放电电路、采用多级
  防雷、耐15KV静电冲击.
■ 符合国家GB/T17626.4标准/IEC61000−4−4标
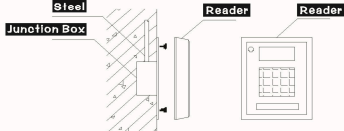 准电快速瞬变脉冲群的抗干扰度测试.(详见EMC.)

Warranty card

users enjoy the satisfaction of the service, you
ty card.
within one year from the date, if the failure of
age occurs, users enjoy free warranty service.

e is only valid under normal use.
amage(Example: user-removable, connected
ccessories Failing to use manual or other
age caused by the Company recognized
e and modification, the machine water,
ssories need to update the warranty period,
the warranty.

please bring the card, warranty card may not
wise void.

cture, please refer to factory certification.

Symptom	Replacement Parts	Maintenance person

★Installation instructions

1、The reader inside the sticker on the position of reader to be
   Installed, According to location Drilling two holes and an
   Middle outlet hole, Insert rubber plug into the fixed hole.
   (Note: If you install on the wall, then concealed need to
   Install the 86 embedded box .)
2、Using "+"type screw driver to loosen the screw between
   the panel and motherboard. Remove the rear panel , And
   then embed the motherboard to the side wall with the
   plastic plug and screws.
3、The reader cable through the outlet hole, connected by line
   instructions, it will panel and rear panel of the screw fixed.

Steel
Junction Box
Reader
Reader

★Installation Notice

1. Confirm the electric Voltage (DC12V) and differentiate
   positive anode and cathode of Power supply.
2. When external Power is used, make sure sharing the Power
   with Controller Box or using the same GND.
3. The wire connects reader to controller, advise use 8 cores
   stranded twisted pair cable, Data wire DO,D1 are twisted
   pair would be better. we suggest sectional area are 0.22
   mm2 at least. The length should not exceed 100meters.
   Shielded wire connect to the controller's GND; bold or Double
   −stranded co−wave power to the reader, help to improve
   reader performance.

CE ♻

★Wire Connection

WG26/34	RS485	Rs232
Red: DC12V	Red: DC12V	Red: DC12V
Black: GND	Black: GND	Black: GND
Green: DO	Green: 4R−	Green: TX
White: D1	White: 4R+	White: RX
Blue: LED		
Yellow: BEEP		
Orange/Grey: WG26/34		
purple: Doorbell		
purple: Doorbell		

★Technical parameters

● Voltage: DC5~16V   ● Current   <50mA
● Temperature: −25℃~85℃   ● Reader speed <0.2 sec
● Humidity: 10%~90%   ● Punch interval <0.5 sec
● Sensing Distance: ID,HID,AWID (8~15CM) /IC (3~6.5CM)

● Support : EM− ID card, Middle Distance ID Card,General ID
             Card, HID Card, M1 Card, AWID Card,15693 Card,
             1443A, 1443B Card.
             (64bits, Manchester encoding /S50 /Mifare)
● Frequency: 125KHz/13.56MHz reader
● Communication: Wiegand26/34/ABA/RS232/RS485
● Communication Distance: The Wiegand 100m,
                            The ABA, RS232 Format 10m,
                            The RS485 Format 1200m
● Built−in: Antenna, speaker, buzzer, red (blue) Green
                 color LED
● Transmission: Wiegand, RS232 real−time transmission.
                 (RS485 addressing transmission)

★Product Features

The Series, 125KHz, 13.56MHz Contactless RFID Card and
M1 WG Readers are Using Advanced RF Circuit Design and
Industrial Level Embedded Microcontroller, Combined with
Efficient Decoding Algorithm to Complete the 64bits Read−
Only uem4100 Compatible ID card and Philips'Mifare Standard
13.56MHz RF IC card to Receive and Output.

This Series Of Readers with High Sensitivity Receiver, Small
Operating Current,Single DC Power Supply, Low Price, and
High Reliability.

For Access Control, Attendance, Fees, Patrol, Card, Building
on Say, Parking Systems, Highways and RFID Applications.

★Product Advantages

■ Anti−Metal Shielding and Readers Interference Ability.
■ Advanced Anti−rash circuit design, Anti−surge protection,
  Anti−pick the wrong protection.
■ Use the import of pure digital radio base station chip, error
  −free design.
■ Intelligent sound and lighting control mode.
  (Bright blue light indicates to you a new visual effect.)
■ Buzzer sound crisp and loud, Not affected by interference
  modulation.
■ Long distance transmission, up to 100 meters.
■ Resin sealant, sealed−type strong, indoor or outdoor use.
■ Compliance with international standards of the wiring.
  (Supports WG34, Simply WG line shorted to ground.)
■ Output, using the glass discharge tube and semiconductor
  discharge circuit, multi−level Lightning protection, 15KV
  static shock resistant.
■ Meet the national GB/T17626.4 /IEC61000−4−4 standard
  Electrical fast transient burst immunity test (see EMC.)

RFID Card Rea
User Manua