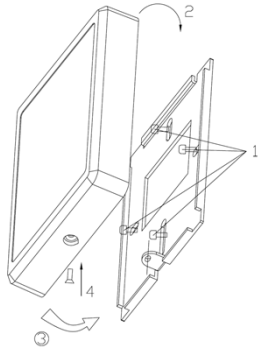
# 智能非接触读卡器安装说明书

**安装方式**

1 将铝合金金属板用 2 个或者 4 个螺丝固定在墙上或者安装盘上 ① .

2 将读卡器上面卡扣挂上铝合金金属板 ②，再将读卡器下端按下 ③.

3 将读卡器下端的防脱螺丝拧紧 ④. 安装完成.




**规格说明**

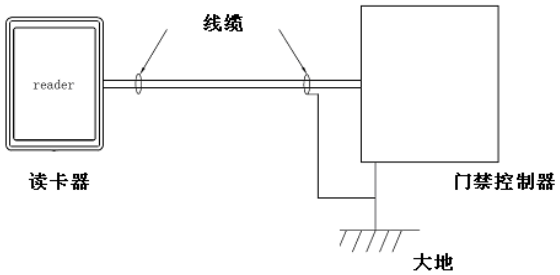
| | | | |
|---|---|---|---|
| 输入电压 （读头终端） | 直流10伏~15伏 | 读卡距离 | ＞ 5厘米 |
| 电流大小 | 160毫安（最大） | 信号传输距离 | 150米 |
| 温度范围 | -30°C~70 °C | 按键输出格式 | 4 位韦根（默认） |

**建议采用**

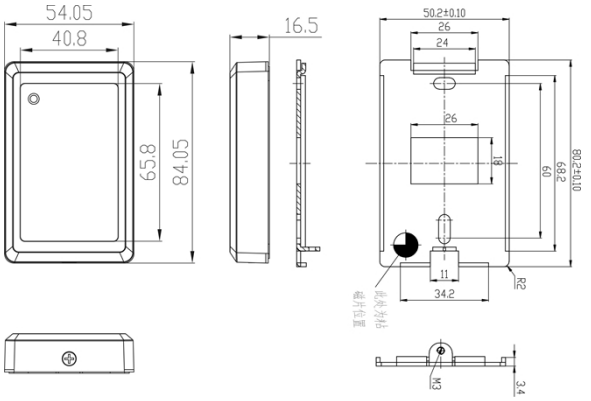
线性直流电源

22AWG 屏蔽线缆;

一端接地(如下图)




**物理尺寸图**




**读卡器的启动**

读卡器上电，绿色 LED 闪亮 5 次， 蓝色 LED 亮起；蜂鸣器蜂鸣 1 声，读卡器进入工作状态。

刷卡，蓝色 LED 闪亮一次；蜂鸣器蜂鸣一次。 按键读卡器时，按键盘一次，蓝色 LED 闪亮一次；蜂鸣器蜂鸣一声。

**接线方式**

| 颜色 | 描述 |
|---|---|
| 红 | 电源+12VDC |
| 黑 | 电源信号地 |
| 绿 | 韦根信号 D0 |
| 白 | 韦根信号 D1 |
| 黄 | 红色 LED 输入，低电平触发 |
| 蓝 | 绿色 LED 输入，低电平触发 |
| 棕 | 蜂鸣器输入，低电平触发 |
| 橙 | 防拆信号输出（集电极输出,低电平输出，最大电流≤ 100 毫安） |
| 紫 | 空 |

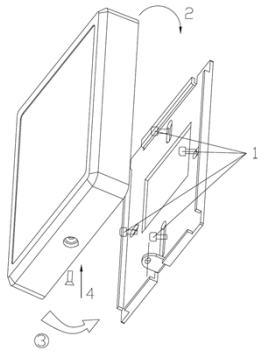
**故障排除**

| 不良现象 | 解决方法 |
|---|---|
| 上电读卡器无反应 | 断电，重新确认接线是否正确（参考“接线方式”）<br>确保输入电压足够（参考规格说明） |
| 自动重启 | 确保输入电压足够（参考规格说明） |
| 卡号不正确 | 检查并确保控制器格式与读卡器输出格式一致，用授权过的卡测试<br>确保 D0 和 D1 连接正确 |
| 无卡信号输出 | 确保 D0 和 D1 连接良好（参考“接线方式”）<br>确保输入电压足够（参考规格说明） |
| 蜂鸣器输出不良 | 确保蜂鸣器接线正确（参考“接线方式”） |
| 背光错误 | 确保 LED 输入连接正确（参考“接线方式”）<br>用默认设置卡重新设置读卡器 |

# Keypad & Proximity Flash Mount Reader Installation Manual

**Mounting:**

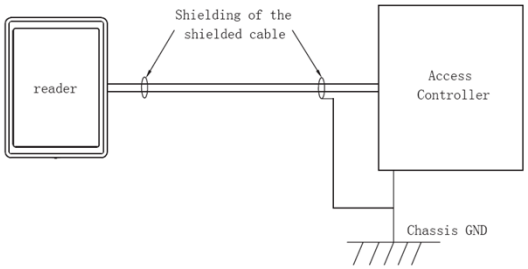
1. Install the metal plate on the wall with two or four screws, which depends on different kinds of gang box being installed①.
2. The cover shall clip on the upper edge ② the push in the bottom part as show in diagram③.
3. Tighten the secure non-dropout screw, which located underneath of the reader to fix the reader and the back plate④, installation is completed.




**Recommendation:**

| | | | |
|---|---|---|---|
| **Input Voltage (at Reader end)** | DC10V~15V | **Typical Read range** | > 5cm |
| **Operating Current** | 160mA (max) | **Maximum Cable Length** | 150m |
| **Operating Temperature** | -30ºC~70 ºC | **Number pad format** | 4 bits burst by default |

1. Linear DC Power Supply;
2. 22AWG shielded cable; it's required to do "one-point" ground. (As shown in the diagram)




**Power up Sequences:**

1. When reader is powered up, the Green back will flicker for 5 seconds. The reader will beep once and the reader is in Ready mode.
2. Present the card. The Blue LED will flicker once; buzzer will beep once.
3. When card is present and read by the reader, blue back lit will flash once; and buzzer will beep once as well. The card data will then transmit to the controller. After, weather the back lit of the reader will remain ON or Flash or change to Green or Red color, this shall depend on the Green and Red LED inputs

Wiring:

| Color | Description |
|---|---|
| Red | Power Supply to the reader |
| Black | Signal GND |
| Green | Wiegand Output data, D0 |
| White | Wiegand Output data, D1 |
| Yellow | RED LED control, active low. |
| Blue | Green LED control, active low |
| Brown | Buzzer input, active low |
| Orange | Tamper output (open collector, Active low, max 100mA) |
| Purple | No use |

**Troubleshooting:**

| Trouble List | Solution |
|---|---|
| No Response when Power Up | ● Discount the power and confirm that the power supply cable is correctly connected (See "Wiring" above).<br>● Check the input voltage is sufficient (See "Specifications" above). |
| Auto Restart | ● Check the input voltage is sufficient (See "Specifications" above). |
| Cannot read card number correctly | ● Check the format setting on the controller if it is the same as the card format. Use approved card (known format and Facility Code) to test.<br>● Check if the shield cable is correctly connected to Classis Ground at ONE point only. |
| Reader beeps but No card data info | ● Check if data 0 & data 1 cable is correctly connected (See "Wiring" above).<br>● Check the input voltage at the card reader end is correct (See "Specifications" above). |
| Buzzer error | ● Check if the buzzer cable is correctly connected (See "Wiring" above). |
| Back Lit Error | ● Check the Led cable is correctly connected (See "Wiring" above).<br>● Use Default Configuration Card to set it back to normal. |