

门禁控制器/电源使用说明

Instruction manual for power supply controller box

版本/Version: V3.0



Product instructions
产品使用说明书



Installation wiring diagram
安装接线图

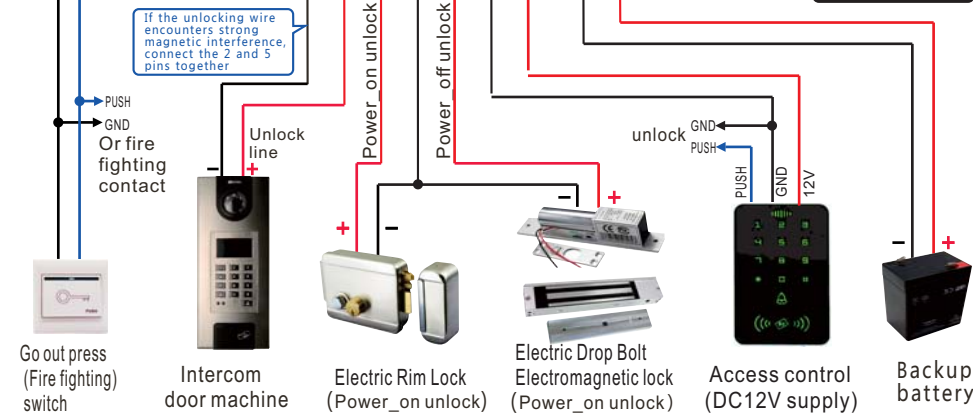
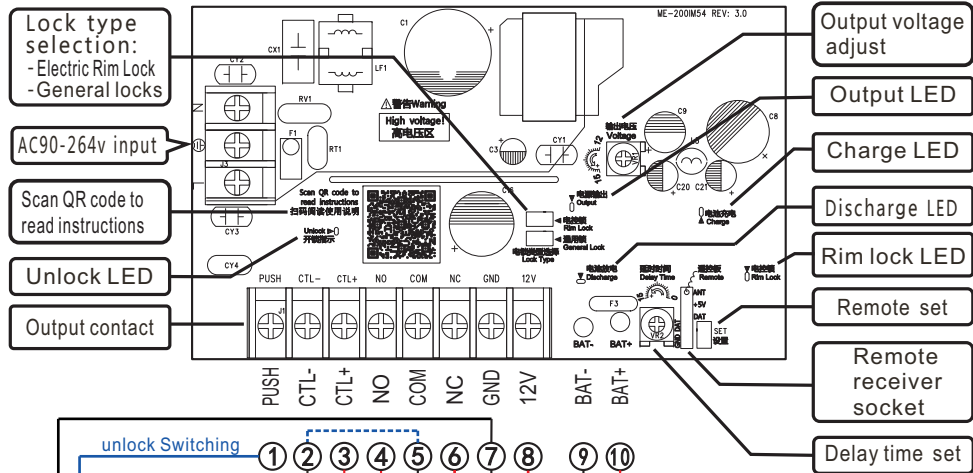
注意：产品如有更改，恕不另行通知
Notice: Product are subject to Change without Prior Notice

Instruction manual for power supply controller box ME-200IM54C V3.0

【Specification】

Input voltage: AC90-264V 50-60Hz Output (12V) : DC13.5V/3A (adjustable 12-15V)
 Output (NO) : 13.5V 5A/3A (Transient/persistent) Output (NC) : 13.5V/3A (Persistent)
 Unlock signal: DC3-30V 1mA PUSH switch: Normal open switch
 Charging (BAT+) : DC13.8V 0.75mA Battery Specification: 12V/7 AH (Size 15*10*7cm Max.)
 Total power : 50W @~220V Remote control: 315MHz/ASK (For option)
 Unlock delay: 0-15s adjustable Remote matching: Smart code matching, up to 20 controls (Buy separately)
 Operating humidity: 20%-90% non-condensing Casing&Size: Iron box, 206*162*78mm
 Operating temperature: -20~55°C Install: Wall mount

【Wiring instruction】 High voltage inside, danger! Please power off when install, wiring and Repair inspection.



【LED indicator】

- Output LED: the LED turns on when DC output ;
- Unlock LED: this LED turns on when in Unlock;
- Discharge LED: When the battery discharges, the lamp turns on ;
- Charging LED : the lamp turns on in charging; the lamp turns off after full charge.
- Rim lock LED: the lamp turns on in electronic rim lock mode.

【 Output contacts】

(Notice: Product are subject to Change without Prior Notice.)

BAT+	Battery positive;
BAT-	Battery negative;
12V	Positive contact ,DC12-15v (adjustable, Factory setting 13.5V);
GND	Negative contact,Power ground;
NO	Matching with GND, output 0V, but output 12V after unlocking, delay 0-15s(settable); To connect cathode lock type (unlock if power on);
COM	The common contact of lock, connected with the power supply ground;
NC	Matching with GND, output 12V, but output 0V after unlocking, delay 0-15s(settable); To connect anode lock type (unlock if power off);
CTL+	Unlock electrical signal, positive contact.
CTL-	Unlock electrical signal,negative.it is unlocked after input DC3-30V between CTL+ and CTL-.For example,Connecting the open Signal of intercom door machine.
PUSH	Matching with GND, Connect the push button or fire-fighting control contact. connect to the type of Normal Open switch contact.

【AC input】

AC90-264V input contact.

【Lock delay & lock type】

Adjust the knob to set the unlocking delay time between 0-15 seconds, According to the type of electric lock used, set a suitable mode to avoid entering automatic protection. (Factory settings: general lock mode, delaytime 4.5seconds) .

- General lock mode (lock LED off): when the lock type is set to "general lock", the lock LED turn off, adjust the knob to set delay time between 0~15 seconds.
- Electric rim lock mode (lock LED on): when the lock type is set to "rim lock", the lock LED turn on , it's high current protection mode, which special for electric rim lock. (the electric rim lock must set as this mode)

【 Output voltage】

Adjusting the knob to set ouput voltage from 12-15v. which can be used to offset the voltage line loss and further transmission. Please adjust the voltage carefully to ensure no damage to the power receiving equipment.(Output 13.5V, factory setting)

【 Setting Remote control】

- 1.Short the 2 pins of SET with Screwdriver, the rim Lock LED will turn on(or turn off) few seconds and then turn off (or turn on). Take off screwdriver. now enter remote setting mode.
- 2.Press the "unlock key" of the remote control, if the rim lock LED turn on for few seconds. means the setting operation succeed and this setting was saved(memorized) in Controller box. now, auto exited setting Mode.
- 3.Press the unlock key again, if the unlock indicator of the controller box turn on, it means that the remote control has been set. If the controller box does not receive the remote signal within 10 seconds, the controller box will automatically exit the setting mode.
- 4.Remote control and Controller box are of same frequency and code. (for Remote control need purchase separately.)
- 5.if short 2pin of SET for 5seconds. during which, LED will 2 times turn on each for few seconds. and then auto delete all setting(Remote control).

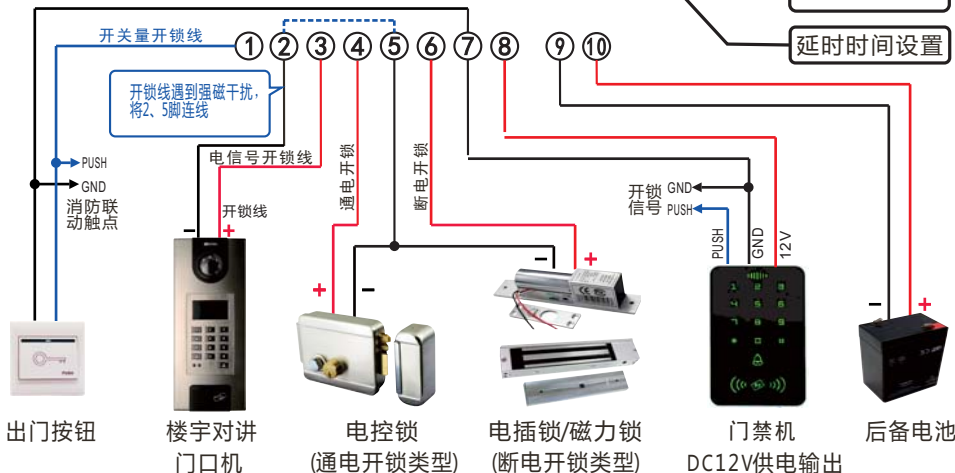
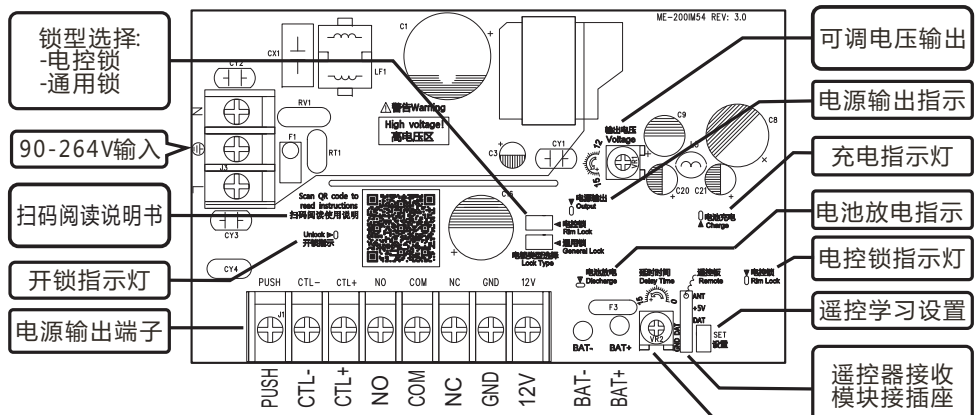
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【规格参数】

交流输入(L-N): AC90-264V 50-60Hz
 电锁输出(NO): 14V 5.0/3.0A (瞬时/持续)
 有源开锁(L+/-): DC3-30V 1mA 电压信号
 电池充电(BAT): DC13.8V 500mA
 总输出功率: 50W @~220V
 开锁延时: 0-15 秒可调
 工作湿度: 20%~90%无冷凝
 工作温度: -20℃~+55℃

供电输出(12V): DC14V 3.0A(可调12-15V)
 电锁输出(NC): 14V 3.0A (持续)
 无源开锁(PUSH): 常开触点开关
 电池规格: 12V/7AH (尺寸15*10*7cm Max.)
 遥控器规格: 315MHz/ASK调制(选配)
 遥控器设置: 自主学习对码, 最多可设置20个遥控器(选配)
 外箱及尺寸: 钣金烤漆铁箱, 206*162*78mm
 安装方式: 挂墙式安装

【接线说明】 可靠接地是安全和防雷的规范要；箱内有高压，请断电后再安装和检修，谨防触电！



【工作指示说明】

- 电源指示灯: DC12V输出时, 灯亮;
- 开锁指示灯: 开锁成功, 有输出时灯亮;
- 电控锁指示灯: 在电控锁模式下, 灯亮。
- 电池指示灯: 电池放电输出时, 灯亮;
- 充电指示灯: 电池充电时, 灯亮; 电池充满, 灯灭。

【交流输入端子】

交流输入 (90-264V) 接线端子。

【输出接线端子】

BAT+	后备电池正极；
BAT-	后备电池电源负极；
12V	电源正极 12 - 15V 可调, (出厂设置14V);
GND	电源负极；
NO	与 COM 配对, 常开脚, 常态无电压; 开锁后, 闭合输出电压 12V, 延时0-15秒 (可调) 后恢复断开。用于连接“通电开锁”型的阴极锁, 如电控锁、电机锁等;
COM	电锁公共端, 与电源地联通;
NC	与 COM 配对, 常闭脚, 常态输出 12V。开锁后, 断开无电压输出, 延时0-15秒 (可调) 后恢复输出。用于连接“断电开锁”型的阳极锁, 如磁力锁、电插锁等;
CTL+	有源开锁电压信号输入, 正极; (一般用于连接楼宇对讲门口机的开锁信号正极)
CTL-	有源开锁电压信号输入, 负极。当 CTL+ 与 CTL-脚之间输入 DC3-30V 电压时, 可控制开锁; (一般用于连接楼宇对讲门口机的开锁信号负极)
PUSH	门禁信号输入口, 与 GND 配对, 连接开门按钮。常开型开关输入, 开关闭合, 触发开锁输出, 控制开锁开门。

【开锁延时和锁类型设置】

出厂设置: 通用锁模式、延时时间为4.5秒。

根据驱动的电锁类型, 正确选择电锁模式, 以免误触发限流保护功能。

- 电插锁、磁力锁等通用锁模式 (灯灭): 电锁类型设置在“通用锁”, 锁指示灯灭, 调节旋钮, 可设置延时时间在0-15秒之间;
- 电控锁专用模式 (灯亮): 电锁类型设置在“电控锁”, 锁指示灯亮, 无需调节延时, 专用于驱动电控锁, 此时为大电流工作保护模式。使用电控锁时, 必须设置为本模式。

【输出电压调节】

调节设置旋钮, 输出电压可调设置在12-15V之间。

请谨慎调节电压, 确保受电设备不损坏。(出厂设置14V)

【遥控器设置】

1. 将SET座的2只脚短接一下 (用螺丝批或镊子), 电控锁灯一长闪亮(灭)后, 松开短路, 即进入遥控设置状态;
2. 按遥控器的开门键, 若电控锁灯一长亮, 则遥控器已成功记忆到控制器中, 同时退出设置状态。
3. 再次按遥控器的开门键, 若开锁指示灯亮, 表明已遥控器已设置好。
- 在10秒内, 若没有按下遥控器或控制器没有收到遥控信号, 控制器会自动退出设置状态。
4. 遥控器需与控制器处于相同的频率和编码规则; 无线遥控器, 按需要数量另购;
5. 若将SET座的2脚连续短路5秒, 期间指示灯会有2长闪亮。在第2闪亮后, 则清除所有遥控器。

(备注: 设计或规格如有变动, 不再另行通知)

