

**Access Controller PCB
User Manual V2.2**

1. Technical parameters:

| N O | Item | Value |
|--------|-------------------------|----------------------------------|
| 1 | Operating voltage | DC 12V±10% |
| 2 | Operating current | < 100mA |
| 3 | Dimensions | 86mm×45mm×12mm |
| 4 | Weight | 80g |
| 5 | Relative humidity | 20%—80% |
| 6 | Storage | 2000users |
| 7 | Card type (alternative) | EM(ID) card(IC card for options) |
| 8 | Card reading distance | 1—15CM |

2. How to SET Manager Card – MAC&MDC

- Step1、 Turn off power and connect bin 2&3 of S1。
- Step2、 Turn on power and buzzer gives 3 long buzz with green light flash fast, now read two empty cards first one as Manager Add Card and Second one as Manager Delete Card with red light flashing .
- Step3、 Turn off power, disconnect bin2&3 and connect bin 1&2 of S1。
- Step4、 Turn on power again.

3. How to use Manager Card – MAC&MDC

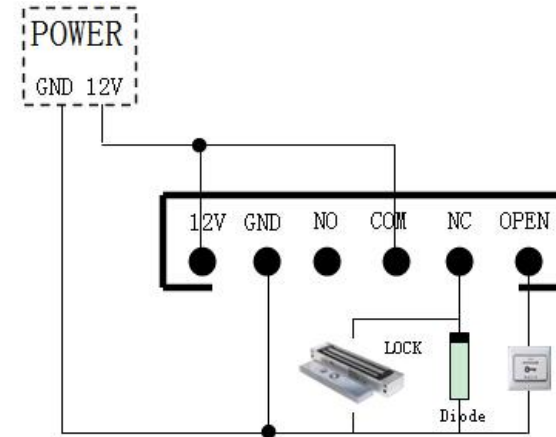
- To add a card user in standby mode:
 - To delete a card user in standby mode:
 - To delete all users in standby mode:
- Remark: User cards can be added or deleted continuously.

4. How to change Open time

- Connect bin 1&2 of S2: Open time is 5 Secs
- Connect bin 2&3 of S2: Open time is 1 Secs

5. Installations Guide:

| NO | Mark | Color | Function |
|----|------|--------|------------------|
| 1 | +12V | Red | Power+ |
| 2 | GND | Black | Power- |
| 3 | NO | BLUE | Relay NO output |
| 4 | COM | Yellow | Relay Com output |
| 5 | NC | Grey | Relay NC output |
| 6 | OPEN | White | Door Release |



Remark: If let relay drive electric-lock, please connect a reverse diode with the lock's "+" and "-" poles.

6. remote-controller operation(Programming Password is 123456)

- Add card by input card No.: # # input card No. #
- Delete user by input card No.: # # input card No. #
- Add user card: # # read card #
- Delete user by read card: # # read card #
- Delete all users: # # #