# Панель доступа
## PS-C1EM

# РУКОВОДСТВО

Внимательно прочтите данное руководство перед установкой и использованием устройства

## 1.Назначение

Устройство представляет собой автономный контроль доступа и считыватель бесконтактных карт, который поддерживает типы карт EM / MF(опция). В него встроен микропроцессор STC с высокой помехоустойчивостью, высокой безопасностью и надежностью, мощными функциями и удобным управлением. Он широко используется в частном секторе, жилых комплексах и различных общественных местах.
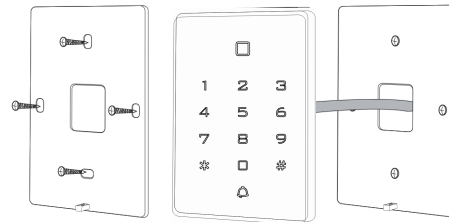
## 2. Главные особенности

| | |
|---|---|
| Энергосбережение | Ток в ожидании меньше 30мА |
| Wiegand интерфейс | WG26 или WG34 |
| Поиск в памяти | Менее чем 0.1 сек |
| Подсветка клавиатуры | Удобство работы в темноте |
| Звонок | Поддержка внешнего звонка |
| Способы авторизации | RFID, Код, RFID+ код |
| Независимые коды | Используйте коды без карты |
| Смена кода | Юзеры могут изменять свои коды |
| Удаление по номеру | Удаление RFID с помощью клавиатуры |

## 3. Спецификация

| | |
|---|---|
| Питание: DC 12В (Возможность 24В DC ) | Ток в ожидании: ≤30mA |
| Дистанция чтения RFID: 2 ~ 5см | Емкость: 2000 пользователей |
| Раб температура: -40℃~60℃ | Раб влажность: 10%~90% |
| Нагрузка реле: ≤ 3A | Диапазон реле: 0 ~ 99сек (н астройка) |

## 4. Монтаж

•Снимите заднюю крышку панели с помощью стандартной отвертки. Просверлите в стене отверстия для саморезов и отверстие для кабеля.
•Прочно закрепите заднюю крышку на стене с помощью 2 саморезов.
•Пропустите кабель через отверстие для кабеля
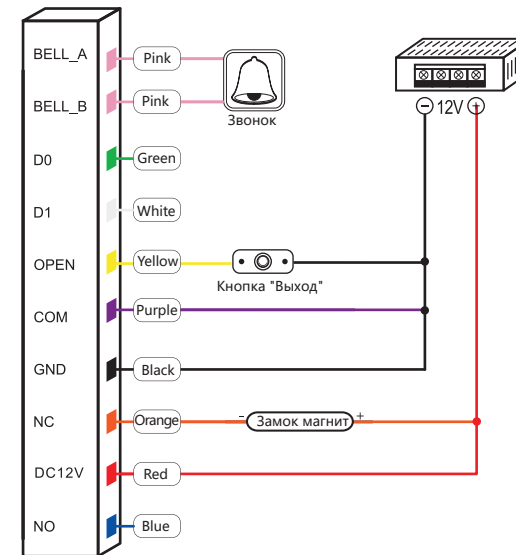•Прикрепите клавиатуру к задней крышке. (См. рисунок ниже)
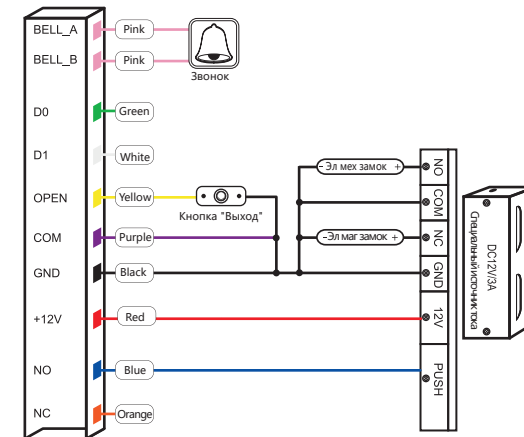


## 5. Обозначение проводов

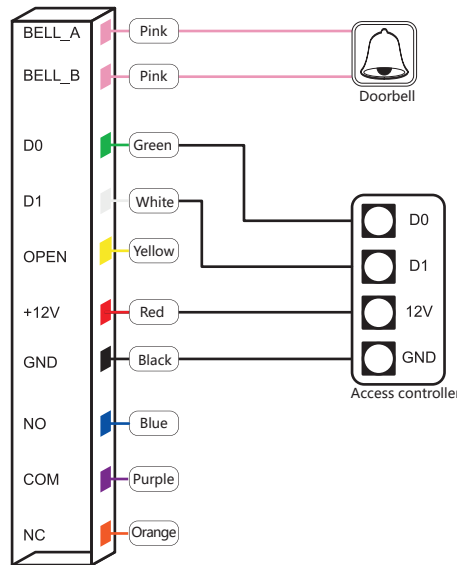| Цвет | Обозначе | Описание |
|---|---|---|
| Зеленый | D0 | Вход Wiegand (выход режим считывателя) |
| Белый | D1 | Вход Wiegand (выход режим считывателя) |
| Желтый | OPEN | Кнопка выход |
| Красный | +12V | Положительный выход источника постоянного тока |
| Черный | GND | Отрицательный выход источника постоянного тока |
| Синий | NO | Открытый контакт реле (НО) |
| Фиолет | COM | COM контакт реле |
| Orange | NC | Закрытый контакт реле (НЗ) |
| Розовый | BELL_A | Клемма кнопки дверного звонка первая |
| Розовый | BELL_B | Клемма кнопки дверного звонка вторая |

## 6.Схемы соединений

### 6.1 Стандартный источник тока

### 6.2  Специальный источник тока

## 6.3 Reader Mode

BELL_A — Pink
BELL_B — Pink
(Doorbell)

D0 — Green
D1 — White
OPEN — Yellow
+12V — Red
GND — Black
NO — Blue
COM — Purple
NC — Orange

Access controller: D0, D1, 12V, GND

V6.1

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# 7.Sound & Light indication

| Operate Status | LED Light Color | Buzzer |
|---|---|---|
| Standby | Red | |
| Keypad | | Beep |
| Operation Successful | Green | Beep— |
| Operation Failed | | Beep-Beep-Beep |
| Entering into Programming | Flash Red Slowly | Beep— |
| Programmable Status | Orange | |
| Exit Programming | Red | Beep— |
| Door Opening | Green | Beep— |

# 8. Advance setting

| | Add Users | | Notes |
|---|---|---|---|
| | Change Master code | ∗ Master code # 0 / New code # New code # | Default factory master code is 999999. |
| 1 | Add card | ∗ Master code # 1 / Read card # … # | Cards can be added continuously |
| | Add card number | ∗ Master code # 1 / 8 digits or 10 digits # | Card number can be added continuously |
| | Add ID number+ card | ∗ Master code # 1 / ID number # Read card # | Add user with specify ID number, easily find and delete. |
| | Add ID number+ card number | ∗ Master code # 1 ID number # 8 digits or 10 digits # | Add user with specify ID number, easily find and delete. |
| | Add PIN code | ∗ Master code # 1 ID number # 4 digits Pin code # | ID number is from 1-2000 |
| | **Delete Users** | | |
| 2 | Delete card | ∗ Master code # 2 / Read card or 8 digits or 10 digits # | Cards can be deleted continuously |
| | Delete ID number | ∗ Master code # 2 / ID number # | When the card is broken or lost, you can delete the user by ID number |
| | Delete ALL users | ∗ Master code # 2 0000 # | Delete ALL PIN code & card users except public PIN code |

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| | **Access ways** | | |
|---|---|---|---|
| 3 | By card | ∗ Master code # 30 # | Only the card user could unlock the door, keypad is invalid |
| | By card+ PIN code | ∗ Master code # 31 # | To enable this function, the user PIN code has to be changed. |
| | By card or PIN code | ∗ Master code # 32 # | Both card user and PIN user could unlock the door (factory default) |
| | **Relay Output Delay Time** | | |
| 4 | Door relay strike time | ∗ Master code # 4 0 ~ 99 # | Door opening time range: 0-99s Default 5s |
| | **Working Modes** | | |
| 5 | Standalone access control mode | ∗ Master code # 50 # | The door will be locked automatically after open the door normally |
| | Relay toggle mode | ∗ Master code # 51 # | The door will not be locked automatically.To lock the door, the user has to read the card or press the exit button. |
| | Reader mode | ∗ Master code # 52 26/34 # | WG26/34 input and output |
| 6 | Bind a code to an invalid card | ∗ Master code # 6 Read card 4 digits code # | When using card+code to unlock the door |
| | **Data Backup** | | |
| 7 | Data backup input | ∗ Master code # 71 # | The device will receive the data. |
| | Data backup output | ∗ Master code # 70 # | Send the data to external device. |
| | WiFi matching | ∗ Master code # 73 # | WiFi match(optional) |
| 9 | Add public code | ∗ Master code # 9 4 digits code # | Only one public code is available. Delete public code: ∗ Master code # 9 # |

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| | | | |
|---|---|---|---|
| Change the code by user card ∗ | ∗ Read card New code # Repeat new Code # | | |
| Change the code by ID number added | ∗ ID number # Old code # New code # Repeat new Code # | | |
| Reset to Factory Default | Users can reset to the factory default when the admin code is forgotten, or the default settings have been modified, operation as below:<br>Method 1: Power off, power on, when the indicator light turn orange,press the # key,swipe the first card as for admin add card, swipe the second card as for admin delete card，on hearing tick tick-tick sound thrice, the admin code has been reset to 999999, factory default settings is successful.<br>Method 2: Power off,press the exit button continosly,power on,sound "tick-tick" twice, then release hand,the indicator light turns orange,if need to register admin cards, pls swipe the first card as for admin add card, swipe the second card as for admin delete card within 10s,if not,sound "tick-" once after 10s,the admin code has been reset to 999999, factory default settings is successful, | | |

# 9.Master Card Operation

## 9.1 Add Card

Read master add card  Read the 1st user card  Read the 2nd user card  ...

Read master add card

**Note:** The master add card is used to add card users continuously and quickly. When you read the master add card at the first time, you will hear short "BEEP" sound twice and the indicator light turns orange, it means you have entered into add user programming. When you read the master add card at the second time, you will hear long "BEEP" sound once and the indicator light turns red, it means you have exited the add user programming.

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## 9.2 Delete Card

Read master delete card  Read the 1st user card  Read the 2nd user card  ...

Read master delete card

**Note:** The master delete card is used to delete card users continuously and quickly. When you read the master delete card at the first time, you will hear short "BEEP" sound twice and the indicator light turns orange, it means you have entered into delete user programming. When you read the master delete card at the second time, you will hear long "BEEP" sound once, the indicator light turns red, it means you have exited the delete user programming.

# 10.Data Backup Operation

Example: Backup the data of machine A to machine B

The green wire and white wire of machine A connects with the green wire and white wire of machine B correspondingly, set B for receiving mode at first, then set A for sending mode, the indicator light turns green flash during the data backup, data backup is successful when indicator light turns red.

∗ Master code # 71 #   Set B for receiving mode firstly

∗ Master code # 70 #   Set A for sending mode secondly