

梯控-读卡器刷卡获得按键权限（接线和配置）

Elevator control- swipe card to obtain button permissions

(wiring and configuration)

梯控实现需求：海康梯控+ OTIS 的电梯,只要实现基本的刷卡获取使用电梯的权限即可，不需要进行楼层精确控制。

Elevator control requirements: Hikvision elevator control + OTIS elevators, as long as the basic card swiping is required to obtain the permission to use the elevator, and there is no need for precise floor control.

准备 Preparation

Elevator Control		
1.12	DS-K2210	Hikvision Master Elevator Controller
1.13	DS-K2M0016A	Hikvision Distributed Elevator Controller
1.04	DS-K1107AMK	Hikvision Mifare 1 card reader with Keypad

1、海康设备接线：

1. Hikvision equipment wiring:

第一步：各自提供电源给设备供电。

Step 1: Provide power to the device individually.

第二步：读卡器和主控接法：DS-K1107AMK 接 485 到主控 DS-K2210 的接口 A+、A-。

Step2: the connection between the card reader and the main control: DS-K1107AMK connects 485 to the interfaces A+ and A- of the main control DS-K2210.

第三步：主控与分控接法：主控 DS-K2210 的联动输出端一一对应接到分控 DS-K2M0016A 的联动输入端口。分控 485 接口 A+、A- 接到主控 485 接口 A+、A-。

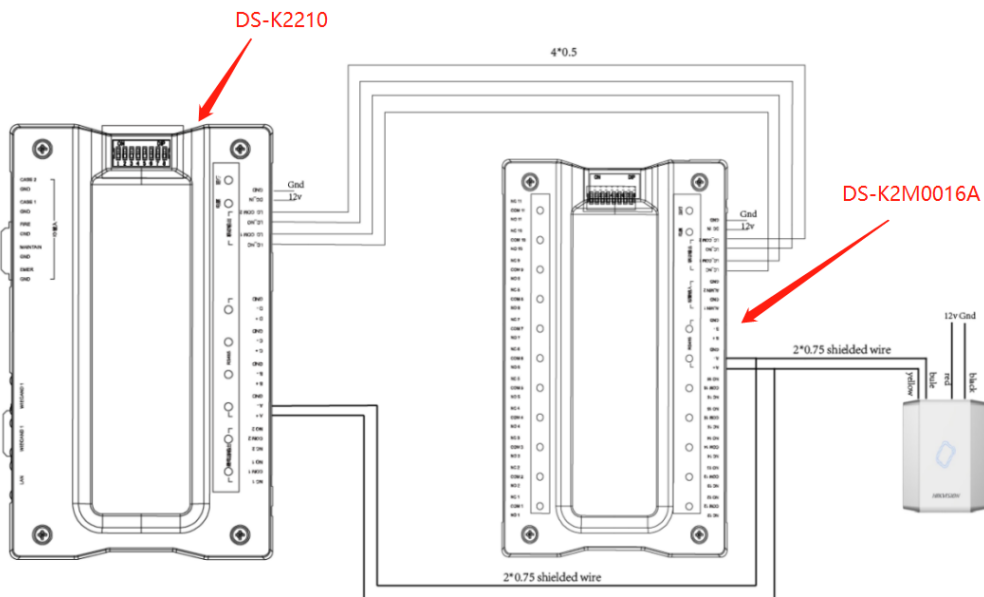
Step 3: Main control and sub-control connection method: The linkage output terminals of the main controller DS-K2210 are connected to the linkage input ports of the sub-controller DS-K2M0016A in one-to-one correspondence. The sub-control 485 ports A+ and A- are connected to the main control 485 ports A+ and A-.

具体接线示意图如下，可详见 QSG。

The specific wiring diagram is as follows, please refer to QSG for details.



UD03825B-C_Main Elevator Control

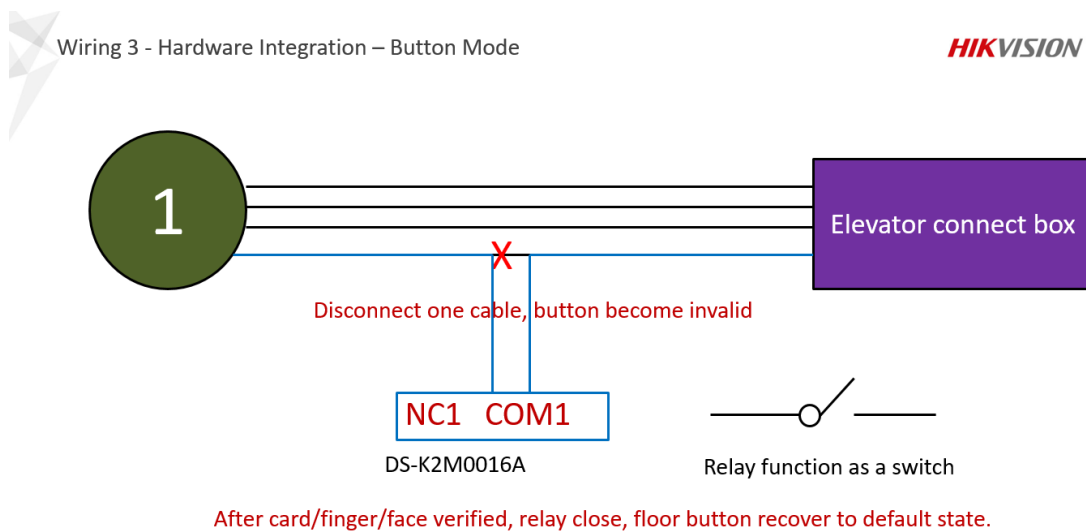


Note: 主控不用拨，分控按键模式拨码 3-10，可以选择拨 3，读卡器 485 拨码为 1 或 2。

Note: The main control does not need to be dialed, the sub-control button mode dials 3-10, you can choose to dial 3, and the card reader 485 dials to 1 or 2.

2、分控继电器端子和电梯按钮接线：

2. Sub-control relay terminal and elevator button wiring:

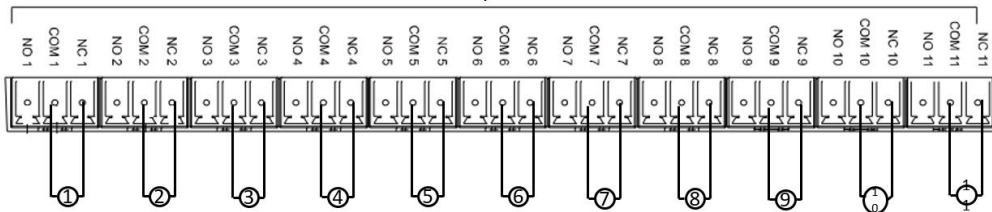


单个按钮示例

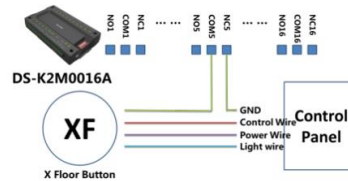
Example of a single button



Relay Terminal



- For NO type of floor button, we use NC and COM to connect.
- In Button mode, NC and COM is closed when controller power off, there is no influence to the elevator is device is shut down.
- NC and COM will become open when controller power on. That's why we use NC and COM to connect NO type of floor button.



连接整个电梯按钮面板示例

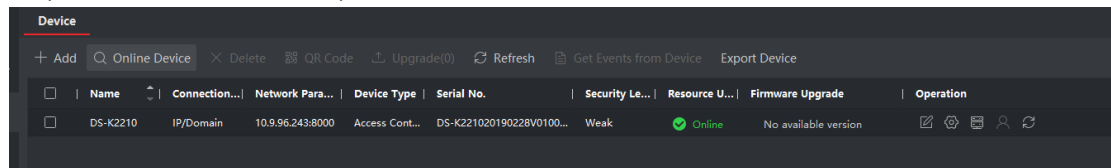
Example of connecting the entire elevator button panel

3、配置

3. Configuration

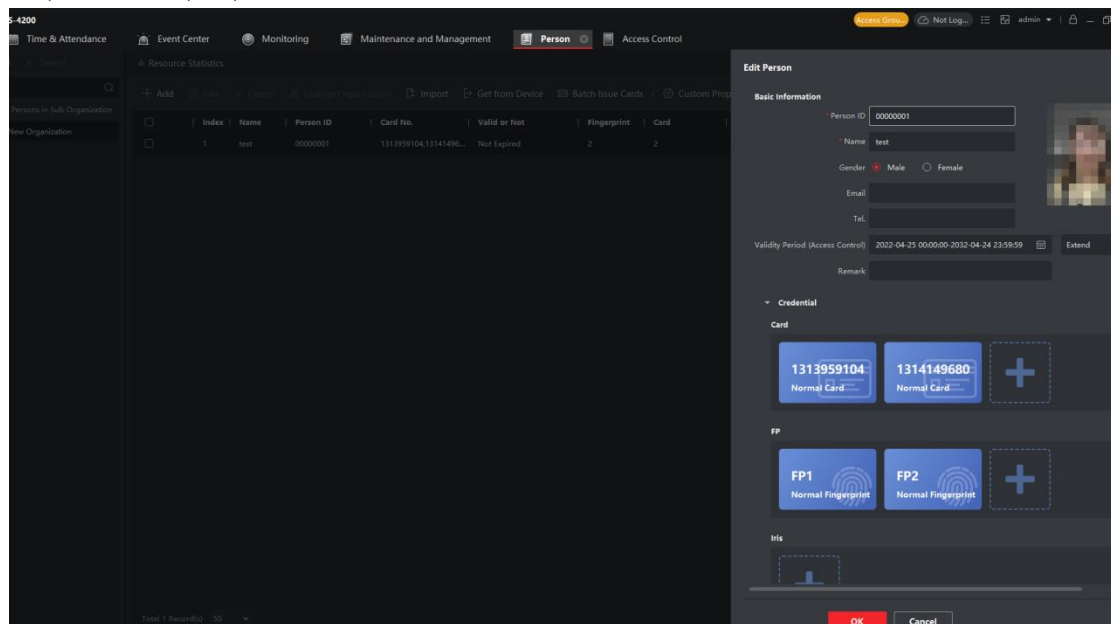
第一步: K2210 添加至 4200 平台

Step 1: Add K2210 to 4200 platform



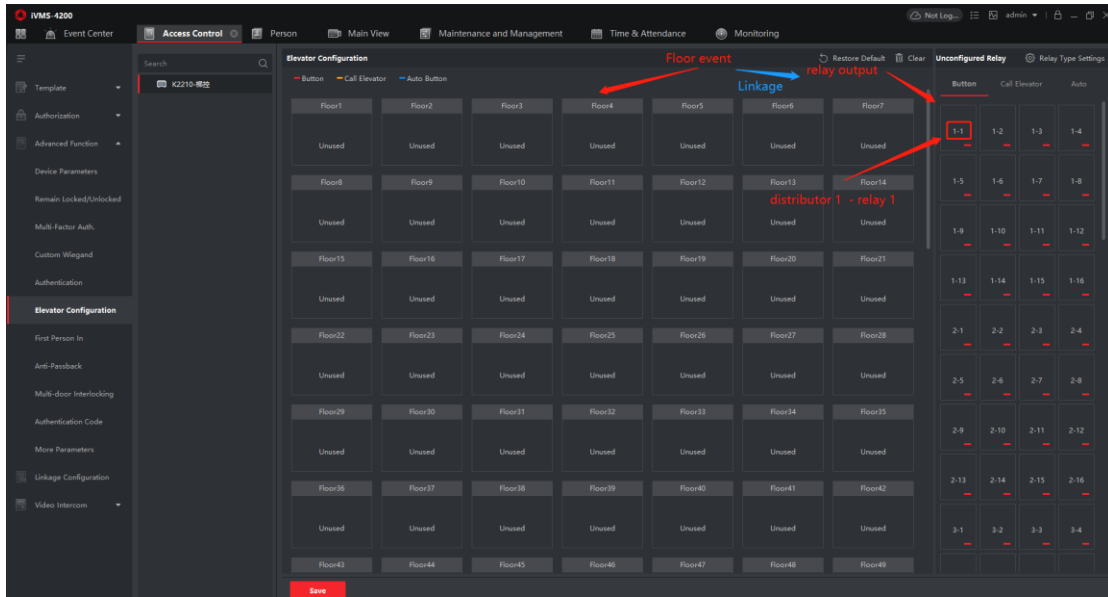
第二步: 创建人员

Step 2: Create people



第三步: 把分控的按钮继电器拖到对应的楼层权限上。

Step 3: Drag the button relay of the sub-control to the corresponding floor authority.



Note: 左边是为楼层、右边为分控的继电器。通过楼层事件联动对应继电器。

Note: The left side is the floor and the right side is the sub-control relay. Corresponding relays are linked through floor events.

1-1: 表示第一个按键模式分控第一个继电器，一共可接 8 个按键分控。

1-1: Indicates that the first relay in the first button mode is sub-controlled, and a total of 8 buttons can be sub-controlled.

9-1: 表示第一个呼梯模式分控第一个继电器，一共可接 8 个呼梯分控。

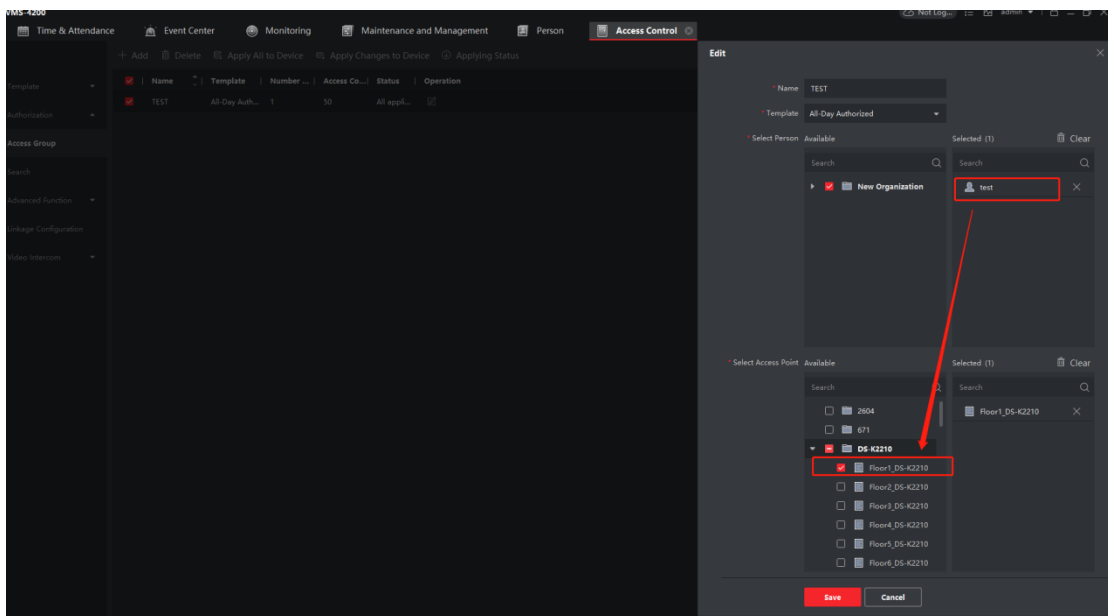
9-1: Indicates the first relay of the first call mode sub-control, a total of 8 call sub-controls can be connected.

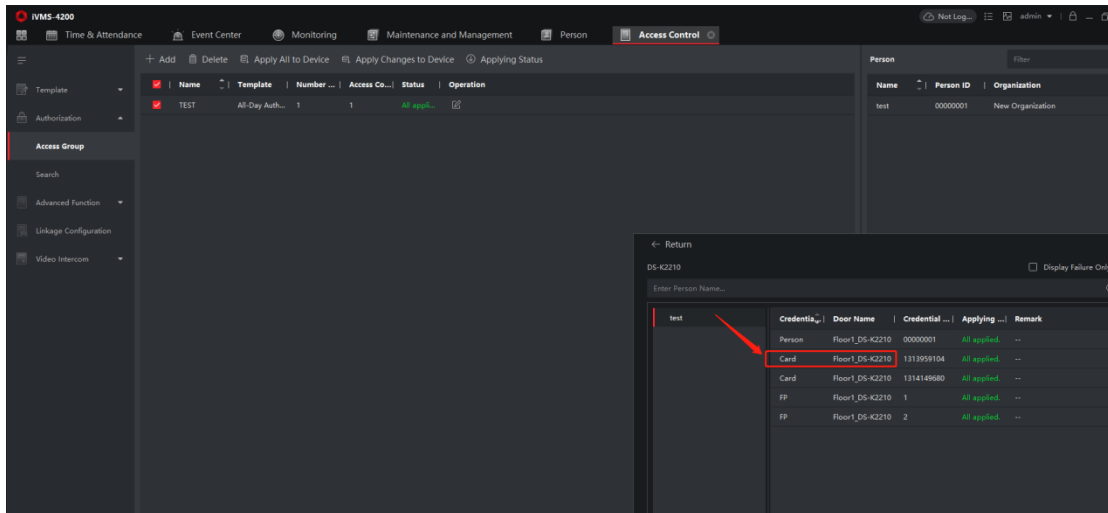
17-1: 表示第一个自动模式分控第一个继电器，一共可接 8 个自动分控。

17-1: Indicates the first relay of the first automatic mode sub-control, a total of 8 automatic sub-controls can be connected.

第四步: 人员权限下发，需要将人员和楼层权限关联。

Step 4: To issue personnel authority, it is necessary to associate personnel and floor authority.





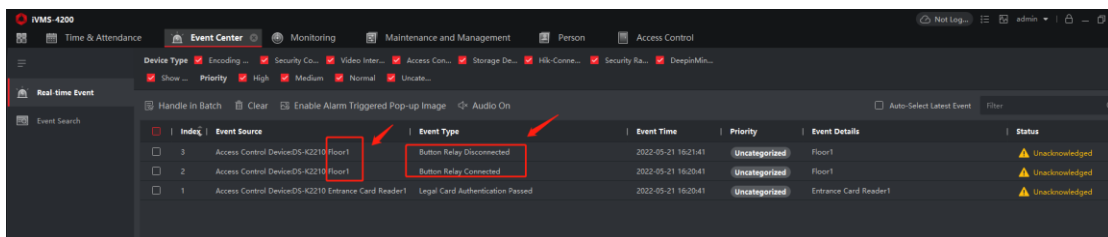
4、验证

4. Verify

当读卡器刷卡时，主控产生对应楼层事件，联动对应楼层下的拖拽进来的继电器进行输出。下面为刷卡认证通过，楼层权限 floor1 联动对应的继电器输出。（连接到断开时间，按键有效时间可以配置）

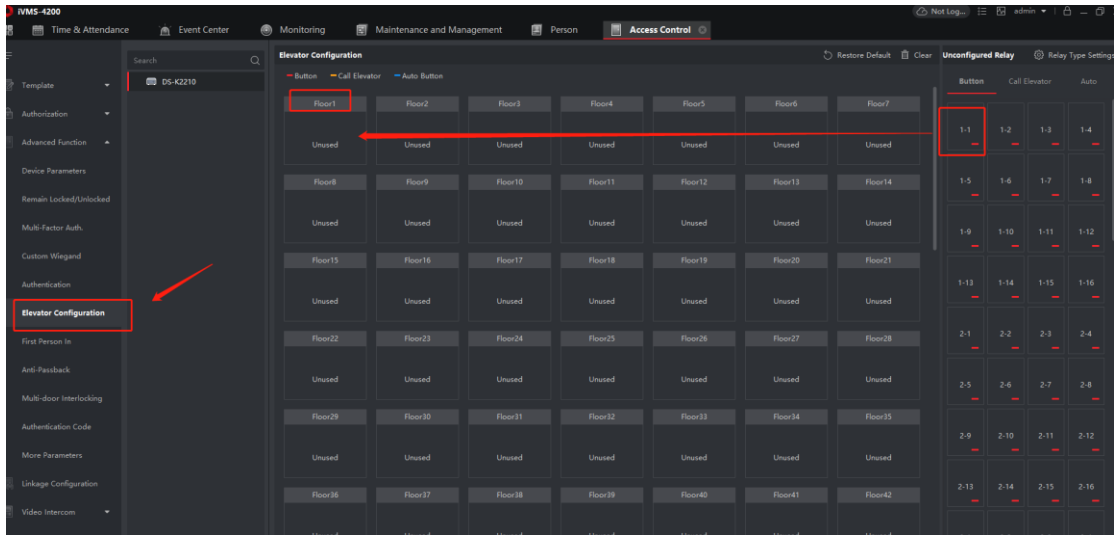
The main control generates the corresponding floor event when swipes the card, and links the dragged relay under the corresponding floor to output.

The following is the relay output corresponding to the swipe card authentication and the linkage of floor permission floor1. (connection to disconnection time, key effective time can be configured)



TIPS

- 1、可在门禁模块的 Elevator Configuration，配置楼层对应联动的继电器。（非常重要）
- 2、In the Elevator Configuration of the access control module, you can configure the relay corresponding to the linkage of the floor. (Very important)



2、可在门禁模块的 Device Parameters，配置楼层 floor 的继电器参数，例如开门持续时间。
 2. You can configure the relay parameters of the floor in the Device Parameters of the access control module, such as the duration of the door opening.

