如何配置 26 系列控制器接 485 读卡器、wiegand 读卡器、电磁锁和出门按钮

How to configure the 485 card reader, the wiegand card reader, the

electromagnetic lock and the exit button to connect the 26 series access

controller

介绍:基于 26 系列门禁控制器接 485 读卡器、wiegand 读卡器、电磁锁和出门按钮,本

文以 26 系列控制器型号 DS-K2602 V2.0.5 build 190301、485 读卡器型号 DS-K1108MK V2.1.0_200904、wiegand 读卡器型号 DS-K1108MK V2.1.0_200904、电磁锁型号 DS-K4H2501、出门按钮型号 DS-K7P02 作为例子。适用于其他 26、28 门禁控制器接线、配置,例如门禁控制器 DS-K2601、DS-K2602、DS-K2604。

Introduction: Based on the 26 series access control controller connected to 485 card reader, wiegand card reader, electromagnetic lock and exit button, this article uses 26 series controller model DS-K2602 V2.0.5 build 190301, 485 card reader model DS-K1108MK V2 .1.0_200904, Wiegand card reader model DS-K1108MK V2.1.0_200904, electromagnetic lock model DS-K4H2501, exit button model DS-K7P02 as examples. It is suitable for the wiring and configuration of other 26 and 28 access controllers, such as access controller DS-K2601, DS-K2602, DS-K2604.



一、接线 wiring

第一步: 首先对 wiegand 读卡器和 485 读卡器进行拨码,将 485 读卡器背面的 DIP 拨码第 1 位使能,表示 485 地址为 1,其余位数不用拨码,可参考图 1;将 wiegand 读卡器背面的 DIP 拨码第六位使能,表示启用 wiegand 通信,其余位数不用拨码,(如果启用 26 位 wiegend,

需要拨码第七位,不拨码表示 34 位 wiegand),可参考图 2。拨码说明请参考图 3;锁和开门按钮不需要设置。

Step 1: Firstly, dial the wiegand card reader and the 485 card reader, and enable the first digit of the DIP switch on the back of the 485 card reader, which means that the 485 address is 1, and the rest of the digits do not need to be dialed, you can refer to it Figure 1; Enable the sixth digit of the DIP switch on the back of the wiegand card reader, which means wiegand communication is enabled, and the remaining digits do not need to be dialed, please refer to Figure 2 (if you want to enable 26-digit Wiegand, you need to dial the seventh digit). For the description of DIP switch, please refer to Figure 3; the lock and door open buttons do not need to be set.



图 1 485 读卡器拨码

Figure 1 485 Card Reader DIP Switch



图 2 wiegand 读卡器拨码

Figure 2 Wiegand Card Reader DIP Switch





Figure 3 Description of DIP Switch

第二步:控制器接 485 读卡器、wiegand 读卡器、电磁锁和出门按钮,请参考接线示意图 4 和实物接线图 5。

Step 2: Connect the 485 card reader, wiegand card reader, electromagnetic lock and exit button to the controller. Refer to the wiring diagram and physical wiring diagram.





图 4 接线示意图

Figure 4 Wiring Diagram



Figure 5 Physical Wiring Diagram

Tips:一般 wiegend 的线绿 W0、白 W1, 地线必须要接, 否则 wiegend 通信有可能不会成功。 正常情况下 485+与 GND: 3.6V, 485-与 GND: 1.3V; wiegand 的 W0 与 GND、 W1 与 GND 均为 5V; Lock+与 Lock-:11.5V; sensor 与 GND、exit button 与 GND 均为 4.2V 左右。 Tips: Generally, wiegand wires are green W0 and white W1, and the ground wire must be connected, otherwise the wiegand communication may not succeed.

Tips: Generally, wiegand wires are green W0 and white W1, and the ground wire must be connected, otherwise the wiegend communication maybe not succeed. Normally, 485+ and GND: 3.6V, 485- and GND: 1.3V; Wiegand's W0 and GND, W1 and GND are all 5V; Lock+ and Lock-: 11.5V; sensor and GND, exit button and GND are both around 4.2V.

二、配置 configuration

第一步: 控制器配置,将控制器添加到 4200 后,进入 access control->device parameters ->K2602 界面对门和读卡器进行配置,配置参数请参考如下图。

Step 1: Access Controller configuration. Adding the controller to 4200, enter the access control->device parameters ->K2602 interface to configure parameters of the door and card reader. For configuration parameters, please refer to the figure below.

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三、下发人员 issuing staff

第一步: 4200 注册人员的卡号。

Step 1: Register the personnel card number on 4200.



第二步:下发人员到控制器。

Step 2: Distribute personnel to the Access Controller.

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四、刷卡验证 Verification of Swipe Card

从实时事件中心能够看到 wigand 读卡器、485 读卡器和出门按钮的刷卡记录。

From the real-time event center, you can see the swipe records of the wigand card reader, 485 card reader and the exit button.

1、wigand 读卡器、485 读卡器认证事件,如下图。

1. Wigand card reader, 485 card reader authentication event, as shown below.

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- 2、出门按钮认证事件,如下图。
- 2. The exit button authentication event, as shown below.

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3、开门超时、异常开门,请检查门的配置和实际门的状态。

3. Open door Timeout, Abnormally Open Door, please check the configuration of the door

and the status of the actual door.





- HiKnow 上搜索下列文档, 链接: <u>https://hiknow.hikvision.com.cn/kms/sys/portal/page.jsp</u> DS-K2600 Series Connect To Lock DS-K2600 Series Connect To Door Sensor DS-K2600 Series Connect To RS485 Reader
- DS-K2600 Series Connect To Wiegand Reader