

<b>Title:</b>	DS-K4T100 Electric Lock Connect to DS-K2600&DS-K2800 series Access Controller	<b>Version:</b>	v1.0	<b>Date:</b>	3/19/2018
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## DS-K4T100 Electric Lock Connect to DS-K2600&DS-K2800 series Access Controller

### Preparation

Connecting electric lock to access controller is mainly applied to open the door for exiting. For electric lock and access controller in this document, please check the table below:

Magnetic Lock	Access Controller
DS-K4T100	DS-K2601, DS-K2602, DS-K2604 DS-K2801, DS-K2802, DS-K2804

### Note

This document is simply used to guide users how to wire correctly and ensure access controllers can control locks.

The access controller model in this document is DS-K2604 & DS-K2804.

Part 1 is mainly for electric lock wiring, and Part 2 and Part 3 are mainly for the situation that users could get the door status on iVMS-4200 Client.

### Notice



1. Please cut off power supply before wiring;
2. Please check interfaces of electric lock in following picture;



Color	Description
Red	12V
Black	GND
Green	COM
Yellow	NC
Blue	NO

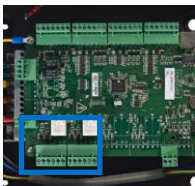
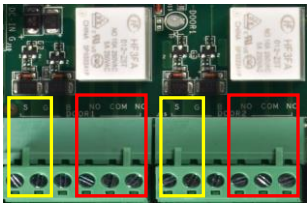
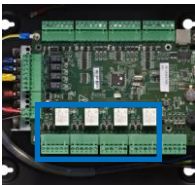
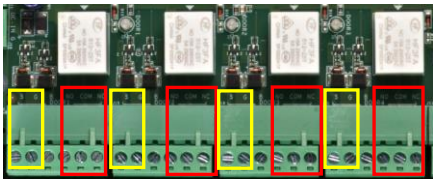
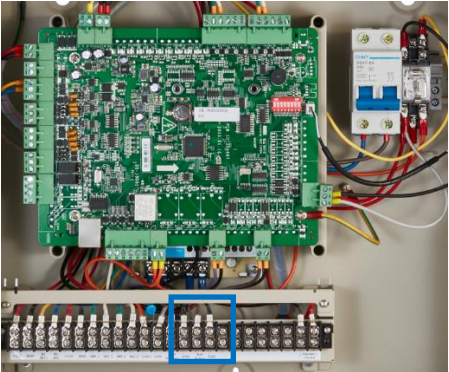
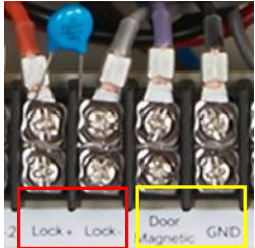
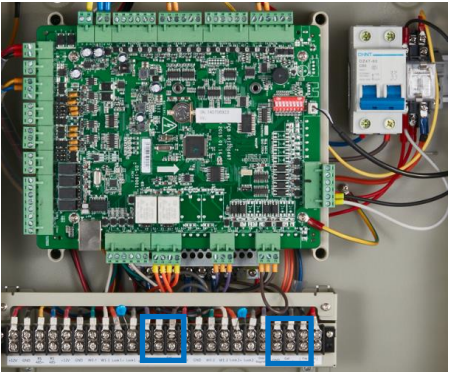

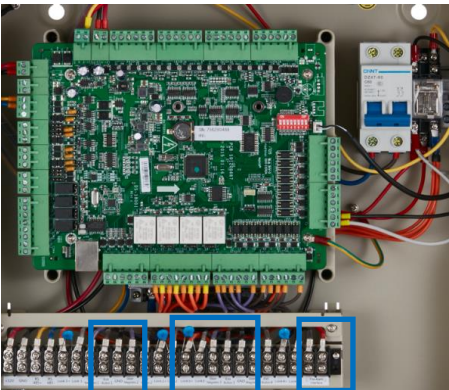
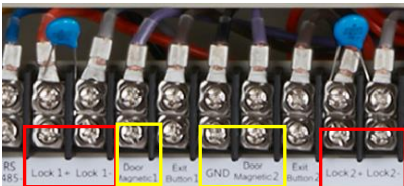

3. Correspondingly, there are lock and door magnetic interfaces in DS-K2800 & DS-K2600 series access controllers, as pictures show:

Note:   means lock interface;   means door magnetic interface;

Access Controller	Interface
DS-K2801 	

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DS-K2802		
DS-K2804		
DS-K2601		
DS-K2602		
DS-K2604		 

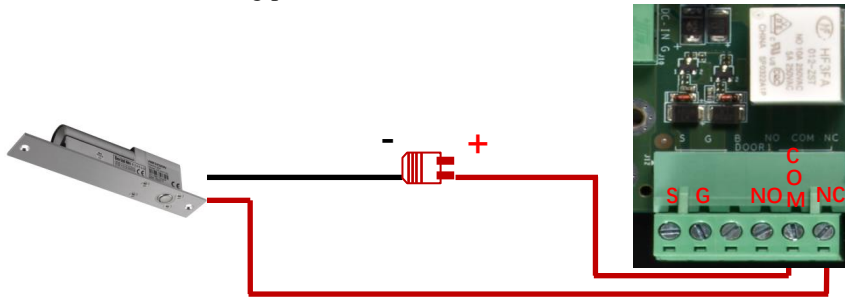
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## Part 1: Lock+ & Lock- Wiring

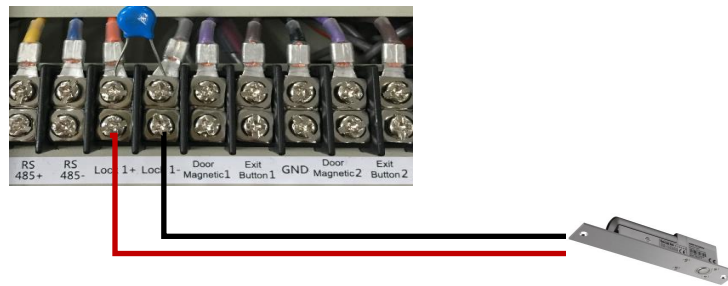
### DS-K4T100 & DS-K2804

Please connect as the following picture:



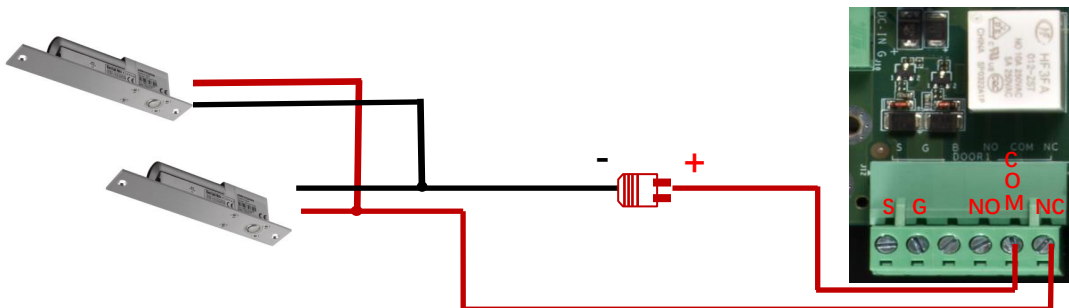
### DS-K4T100 & DS-K2604

Please connect as the following picture:



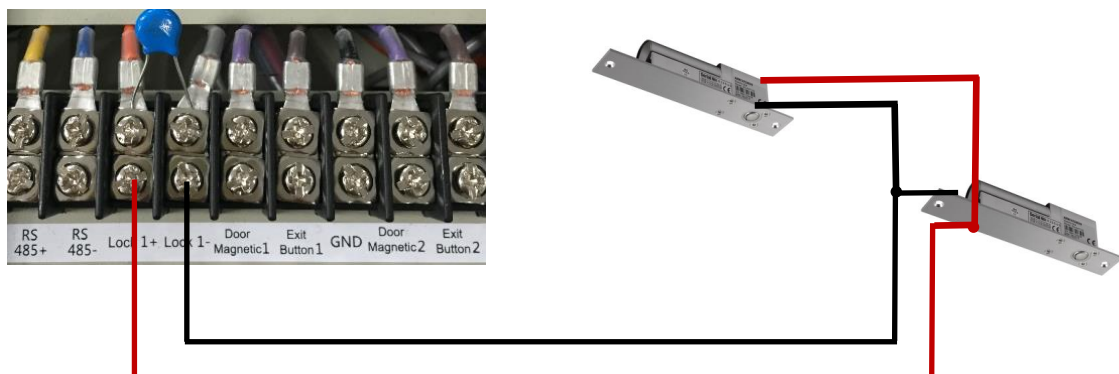
### 2 \* DS-K4T100 & DS-K2804

Please connect as the following picture:



### 2 \* DS-K4T100 & DS-K2604

Please connect as the following picture:



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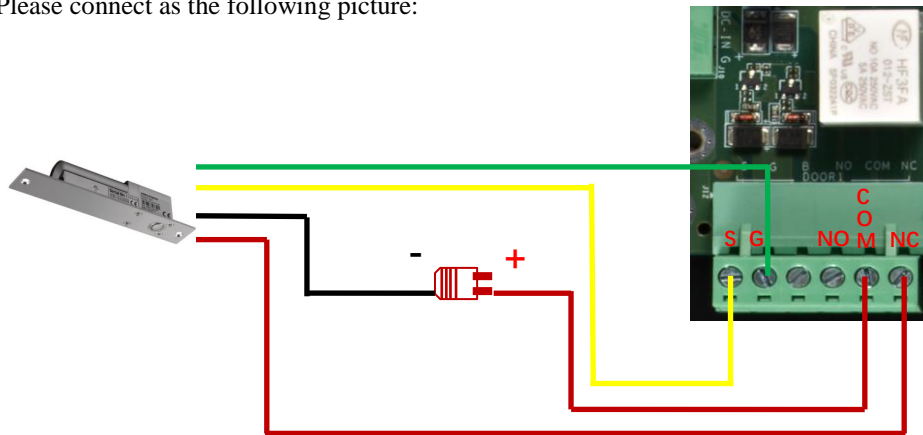


## Part 2: Lock+/Lock- & NC/COM Wiring

### Step 1:

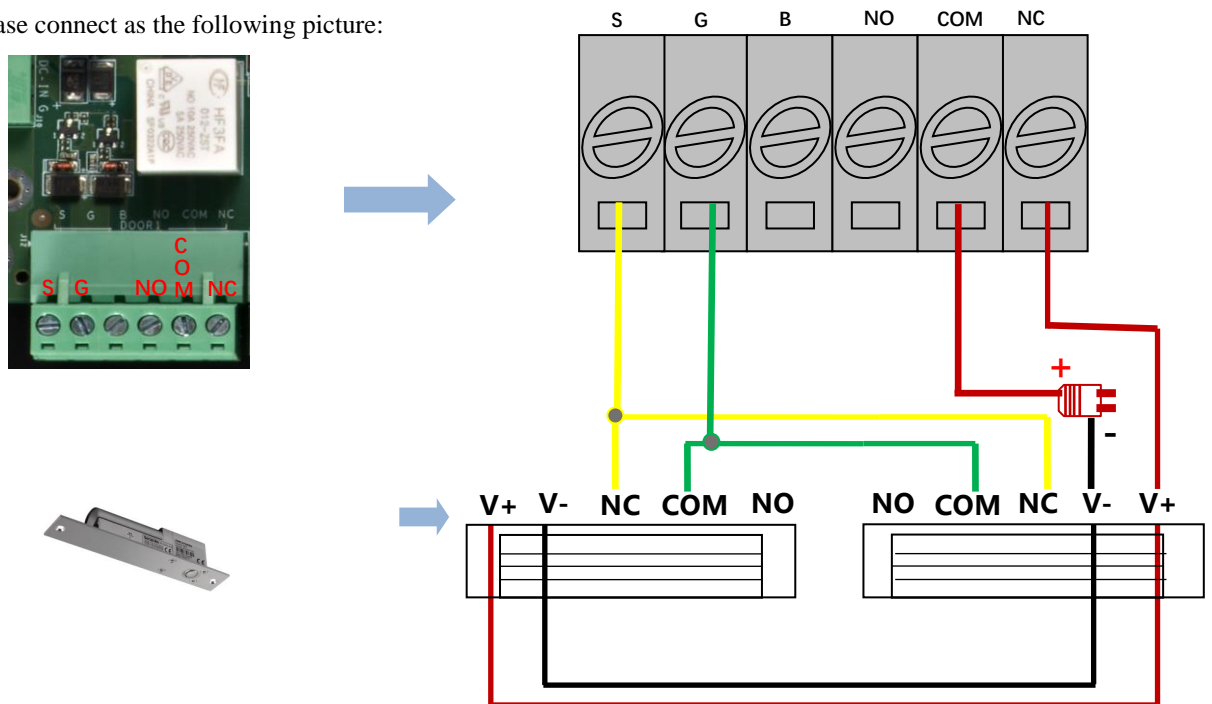
#### DS-K4T100 & DS-K2804

Please connect as the following picture:



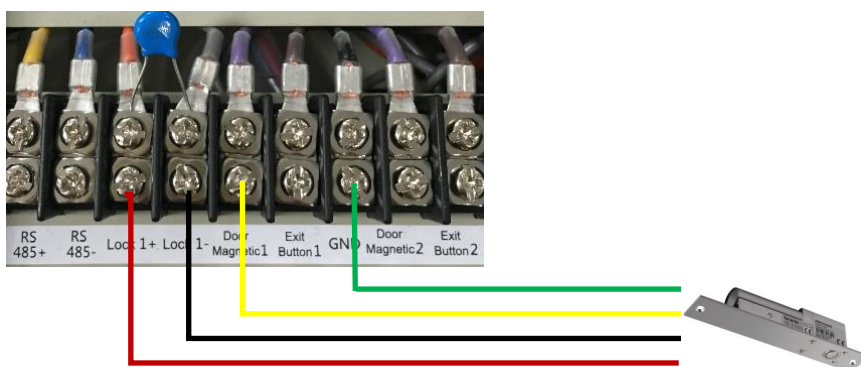
#### 2 \* DS-K4T100 & DS-K2804

Please connect as the following picture:



#### DS-K4T100 & DS-K2604

Please connect as the following picture:

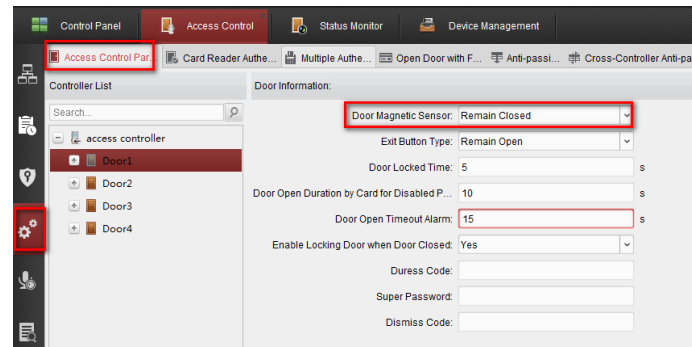






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### Step 5:

Enter **Status Monitor** → **Door Status** interface, open the door, check door status on iVMS-4200 Client and the magnetic lock LED status;

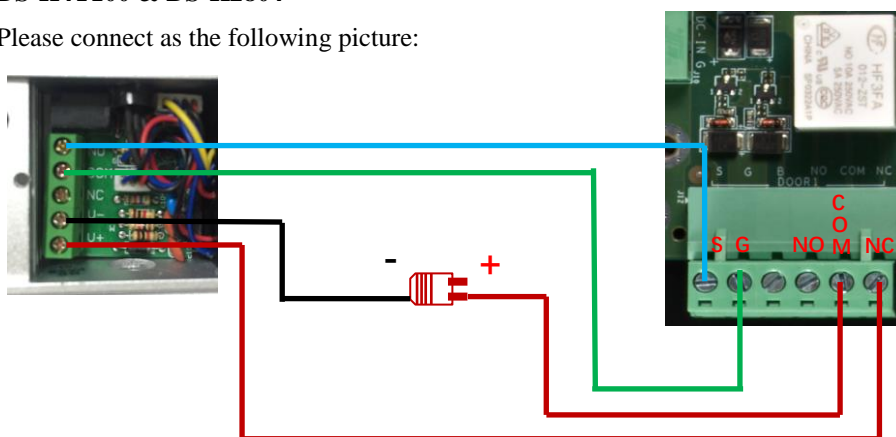
Door Status			
Alarm Event			

## Part 3: Lock+/Lock- & NO/COM Wiring

### Step 1:

#### DS-K4T100 & DS-K2804

Please connect as the following picture:

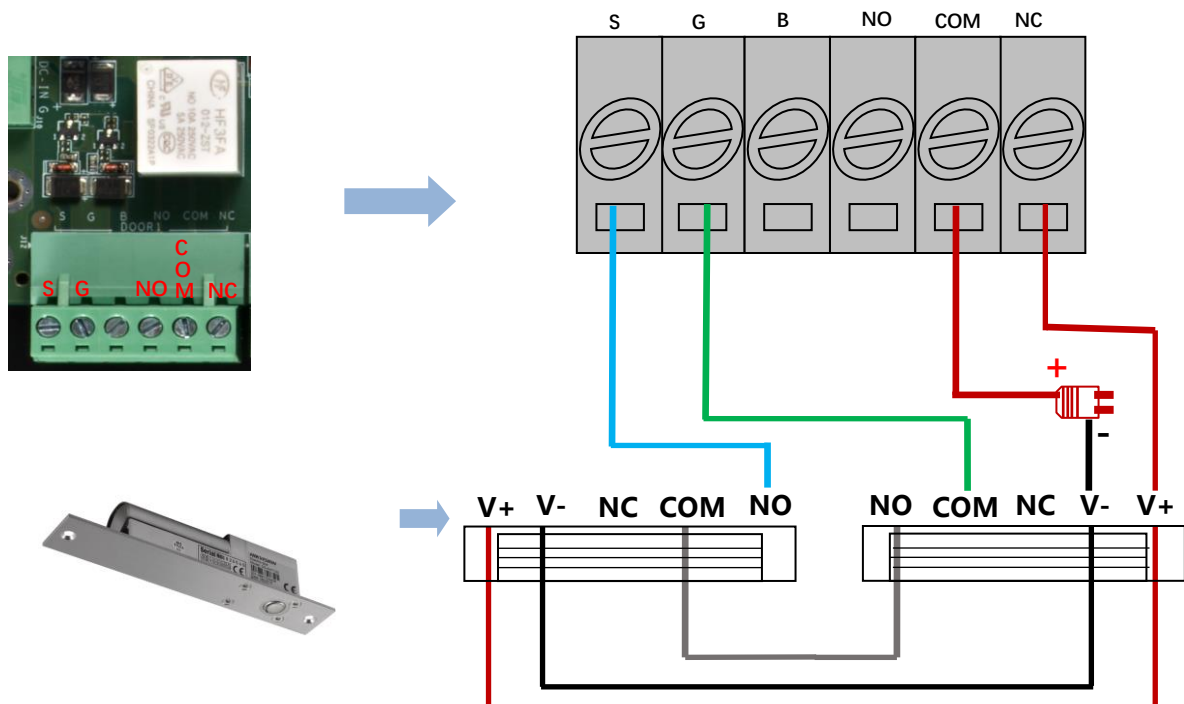


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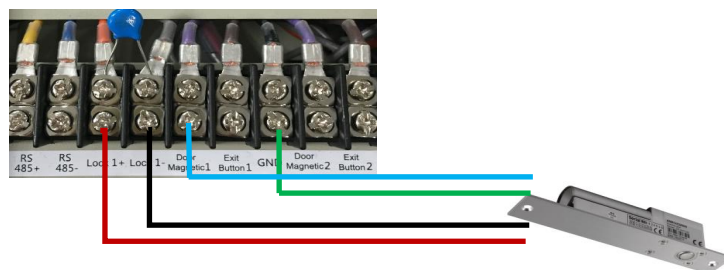
## 2 \* DS-K4T100 & DS-K2804

Please connect as the following picture:



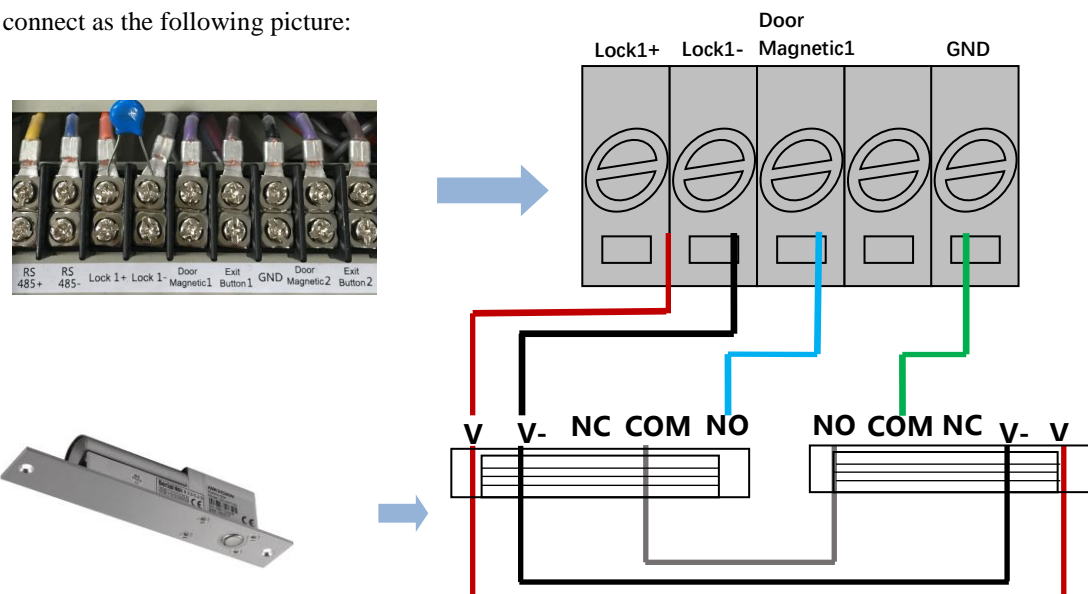
## DS-K4T100 & DS-K2604

Please connect as the following picture:



## 2 \* DS-K4T100 & DS-K2604

Please connect as the following picture:

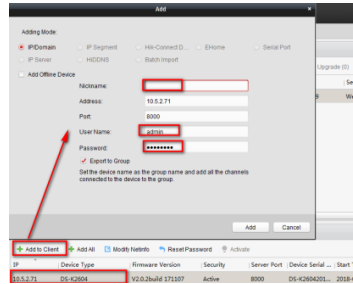


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## Step 2:

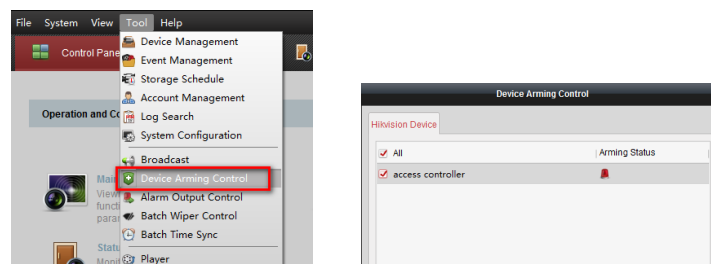
Add access controller to iVMS-4200 Client;



## Step 3:

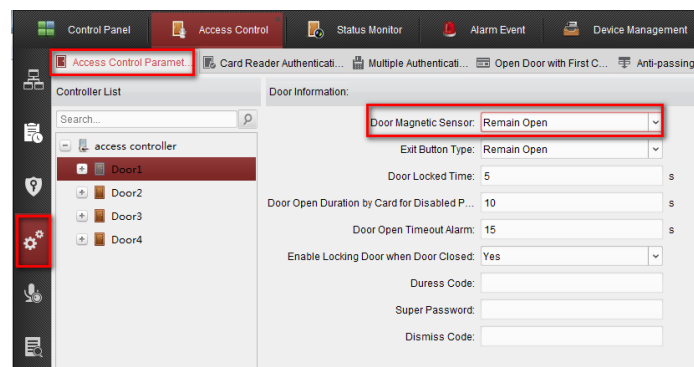
Click **Tool** → **Device Arming Control**, check your access controller arming status;

The icon  means device was armed by iVMS-4200 Client;



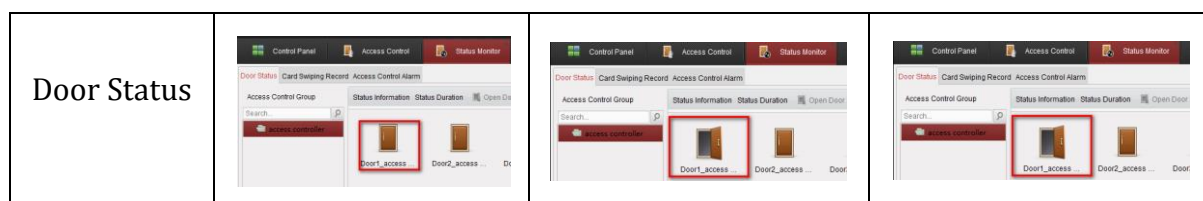
## Step 4:

Enter **Access Control** → **Advanced Function** → **Access Control Parameters** interface, set **Door Magnetic Sensor** as **Remian Open**, and it should be consistent with the wiring of Door Magnetic Singnal Output;



## Step 5:


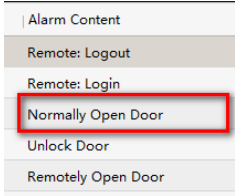
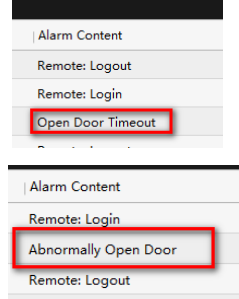
Enter **Status Monitor** → **Door Status** interface, open the door, check door status on iVMS-4200 Client and the magnetic lock LED status;





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Alarm Event			
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**NOTE:** Abnormal in *Magnetic lock LED status* part could be displayed in following scenario, open door timeout, abnormally open door(by force), as well as not standard installation causing armature plate and lock body contact are not fully fitted.

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