Title:	DS-K4H250/450/258 series magnetic lock connect to DS-K2800 series Access Controller	Version:	v1.0	Date:	01/11/2018
Product:	Access Control Device	Page:	1 of 9		



DS-K4H250/450/258 series magnetic lock connect to DS-K2800 series Access Controller

Preparation

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

Magnetic Lock	Access Controller
DS-K4H250S	
DS-K4H250D	DS-K2801
DS-K4H450D	DS-K2802
DS-K4H258S	DS-K2804
DS-K4H258D	

Note

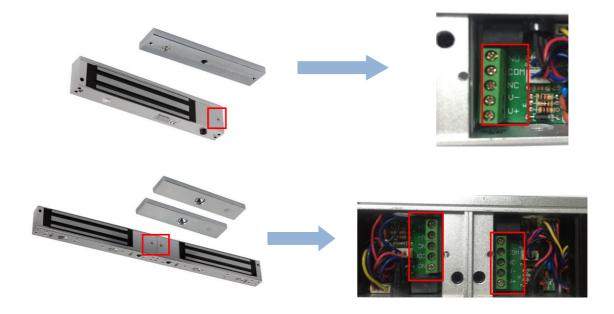
This document is simply used to guide users how to wire correctly and ensure access controllers can control locks.

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

Part 1 is mainly for magnetic 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 use a tool to screw magnetic lock screws in following picture, and remove the cover of magnetic lock, find V+/V- and NO/NC & COM interfaces of magnetic lock in following picture;



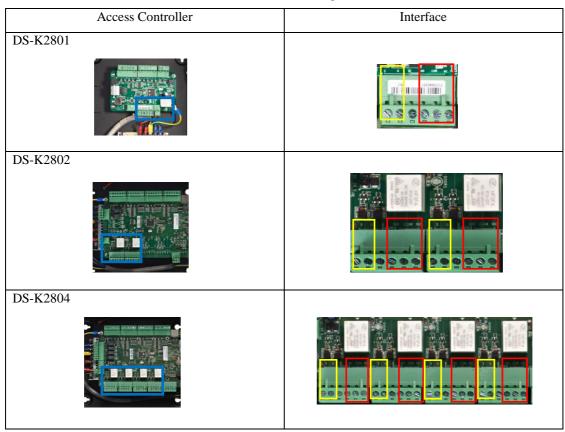
Title:	DS-K4H250/450/258 series magnetic lock connect to DS-K2800 series Access Controller	Version:	v1.0	Date:	01/11/2018
Product	Access Control Davice	Ρασοι	2 of 9		

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Interface	Description	Note
V+/V-	Power Supply	
NO/NC, COM	Door Magnetic Singnal Output	DS-K4H258S/D series magnetic locks don't have NO/NC and COM interfaces

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

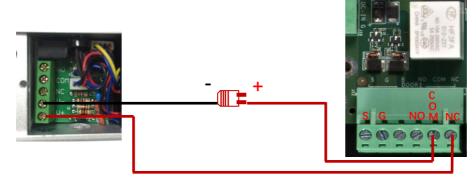
Note: means lock interface; means door magnetic interface;



Part 1: Lock+ & Lock- Wiring

DS-K4H250S & DS-K4H258S

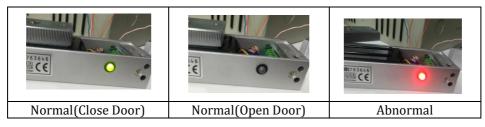
Please connect as the following picture:



Title:	DS-K4H250/450/258 series magnetic lock connect to DS-K2800 series Access Controller	Version:	v1.0	Date:	01/11/2018
Product:	Access Control Device	Page:	3 of 9		

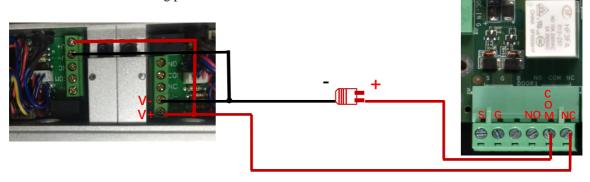


Magnetic lock LED status:

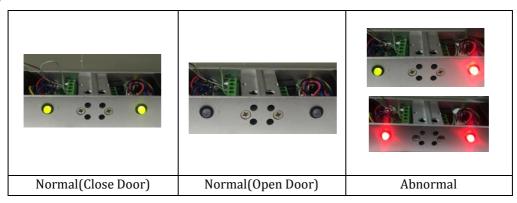


DS-K4H250D & DS-K4H450D & DS-K4H258D

Please connect as the following picture:



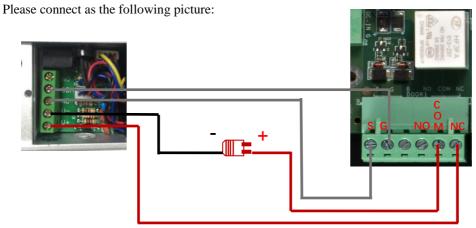
Magnetic lock LED status:



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

Step 1:

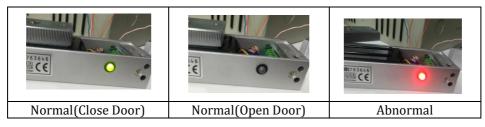
DS-K4H250S



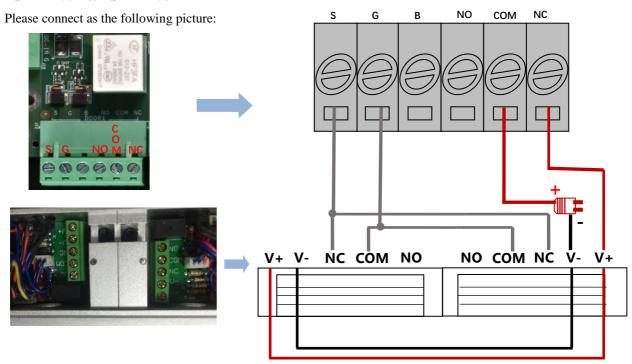
Title:	DS-K4H250/450/258 series magnetic lock connect to DS-K2800 series Access Controller	Version:	v1.0	Date:	01/11/2018
Product:	Access Control Device	Page:	4 of 9		



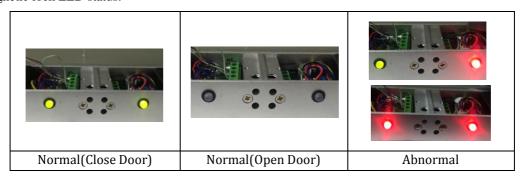
Magnetic lock LED status:



DS-K4H250D & DS-K4H450D

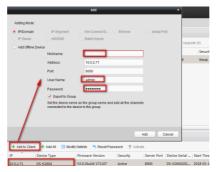


Magnetic lock LED status:



Step 2:

Add access controller to iVMS-4200 Client;



Title:	DS-K4H250/450/258 series magnetic lock connect to DS-K2800 series Access Controller	Version:	v1.0	Date:	01/11/2018
Produc	Access Control Device	Page	5 of 9		



Step 3:

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

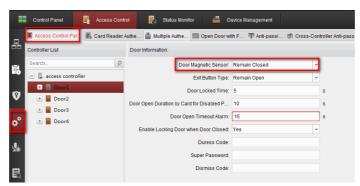
The icon <a> means device was armed by iVMS-4200 Client;





Step 4:

Enter Access Control → Advanced Function → Access Control Parameters interface, set Door Magnetic Sensor as Remian Closed, 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;

Magnetic Lock LED status	783545 CE		GCASSETE CE
Door Status	Control Panel Access Control Cord Status (Lord Swiping Record Access Control Alarm Access Control Group Status Wormalion Status Duration Status Wormalion Status Duration Open Cord Swiping Record Access Control Alarm Access Control Group Status Wormalion Status Duration Open Cord Swiping Record Access Doord_access Doord_access Dr	Control Panel Access Control Door Status Monitor Door Status Monitor Access Control Aiam Access Control Aiam Access Control Group Status Information Status Duration Gent Coor Doort_Access Doort_Access Doort_Access Doort_Access Doort_Access Doort_Access Doort_Access Doort_Access Doort_Access Doort_Access	Contrad Planel Access Control Coor Status Card Swiging Record Access Control Alarm Access Control Group Status Information Status Duration Seaton. Doort_access Doort_access Doort_access Doort_access
Alarm Event	Alarm Content Normally Close Door Lock Door Remote: Logout	Alarm Content Remote: Logout Remote: Login Normally Open Door Unlock Door Remotely Open Door	Alarm Content Remote: Login Open Door Timeout Alarm Content Remote: Login Abnormally Open Door Remote: Logout

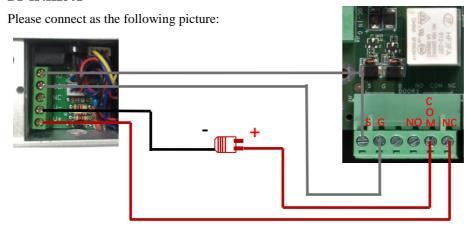
Title:	DS-K4H250/450/258 series magnetic lock connect to DS-K2800 series Access Controller	Version:	v1.0	Date:	01/11/2018
Product:	Access Control Device	Page:	6 of 9		



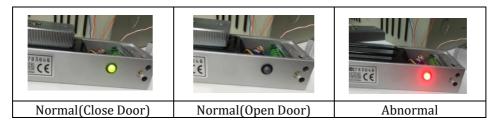
Part 3: Lock+/Lock- & NO/COM Wiring

Step 1:

DS-K4H250S

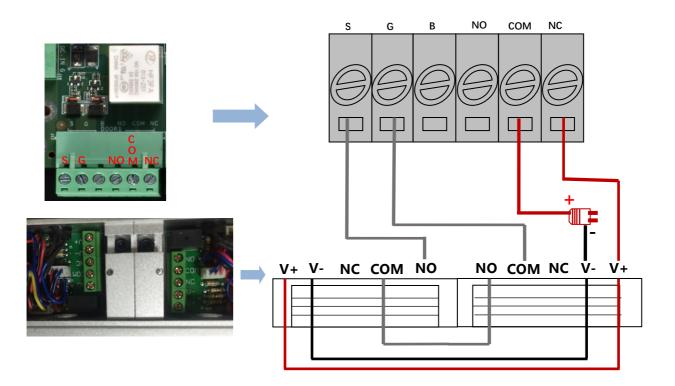


Magnetic lock LED status:



DS-K4H250D & DS-K4H450D

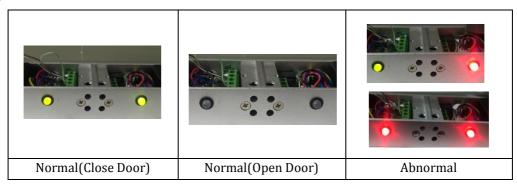
Please connect as the following picture:



Title:	DS-K4H250/450/258 series magnetic lock connect to DS-K2800 series Access Controller	Version:	v1.0	Date:	01/11/2018
Product	Access Control Device	Page	7 of 9		

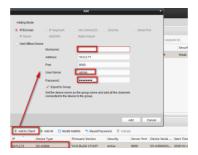


Magnetic lock LED status:



Step 2:

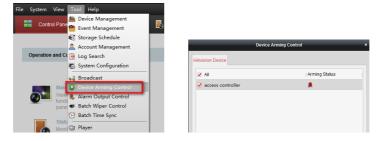
Add access controller to iVMS-4200 Client;



Step 3:

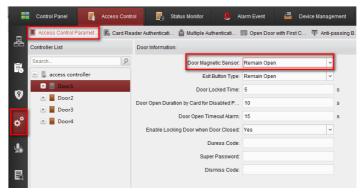
Click **Tool** → **Device Arming Control**, check your access controller arming status;

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;

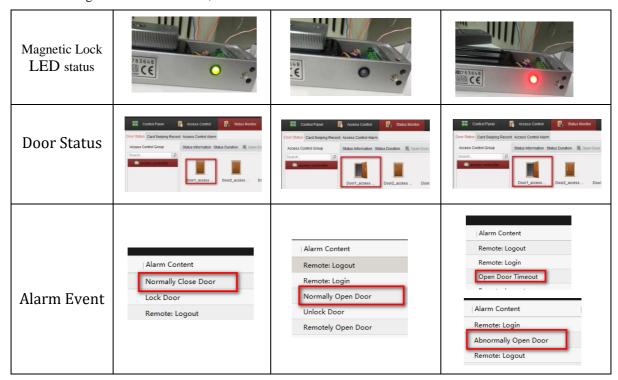


Title:	DS-K4H250/450/258 series magnetic lock connect to DS-K2800 series Access Controller	Version:	v1.0	Date:	01/11/2018
Product:	Access Control Device	Page:	8 of 9		



Step 5:

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



NOTE: Abnomal in *Magnetic lock LED status* part could be displaied in following scenario, open door timeout, abnomally open door(by force), as well as not standard installation cuasing armature plate and lock body contact are not fully fitted.

Title:	DS-K4H250/450/258 series magnetic lock connect to DS-K2800 series Access Controller	Version:	v1.0	Date:	01/11/2018
Droduct	Access Control Davice	Dago	0 of 0		



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