

1	2	3	4
WD1	WD0	GND	+12VDC
WHITE	YELLOW	DARK	RED

Noted: Should confirm Power Supply(DC12V) and the anode and cathode of the Power Supply before electrified.

7PIN Connectors wiring:

Please connect the wires according to the mark of the board while connecting with the external card reader(The Wiring Definition is as follows)

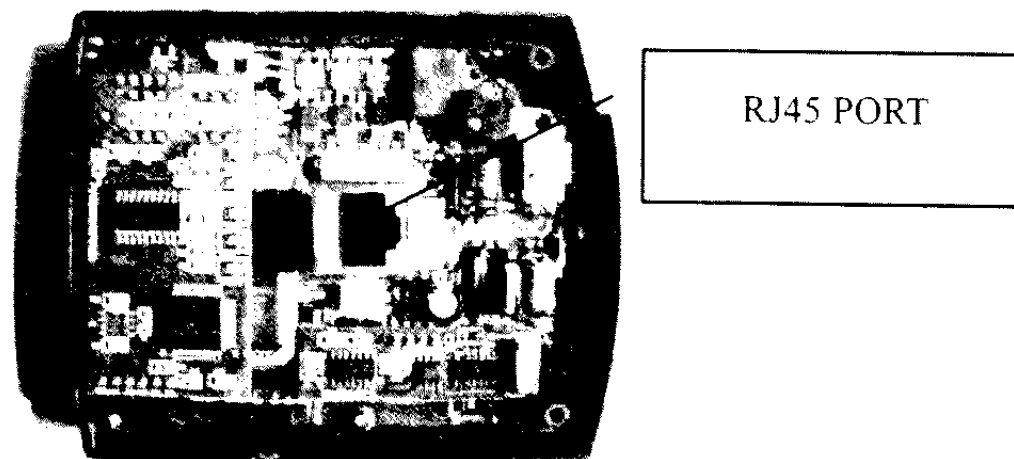
1	XFLD	Red	Alarming Linkage Input
2	ALARM	Dark	Alarming Output
3	DO	Yellow	Door Contact Input
4	HA	White	Exit Button Input
5	NC	Orange	Relay NC
6	COM	Purple	Relay COM
7	NO	Green	Relay NO

3PIN Connectors wiring

1	GND	Green	RS485 Common Ground
2	A	Brown	RS485 A
3	B	Gray	RS485 B

The wiring definition is not 3 PIN connector but RJ45 wiring in the TCP/IP way, the wiring definition of 4PIN and 7PIN are as the above.the details is

as the following Diagram:



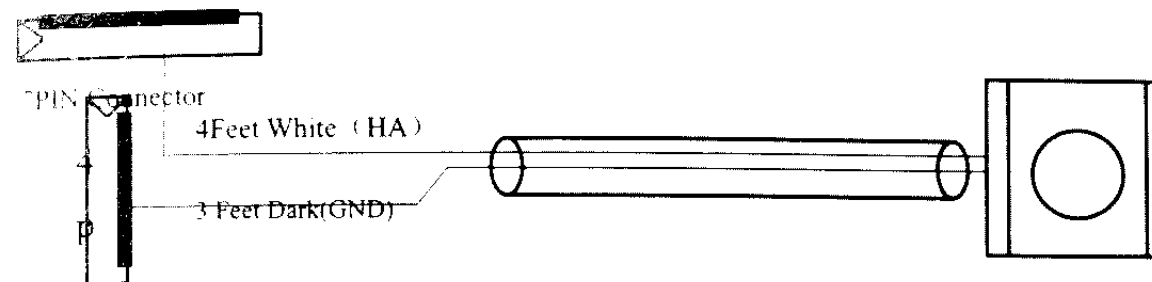
The default IP address is 192.168.1.2, if you want to get back the default, you only shot CLEAR JUMP for 20 Seconds when the main controller electrify.

Chapter 4. Operation Guide of ASM 201H Series

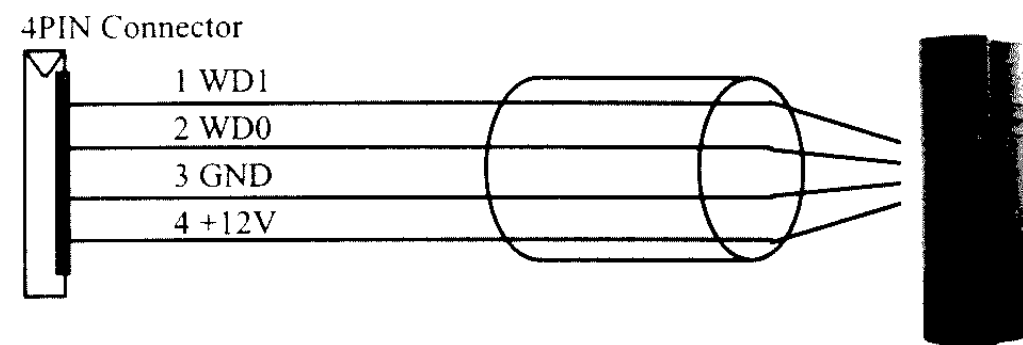
4.1 Power Supply Input

The internal parts of ASM 201H Series access controller are working under power of +5V, external DC power requires DC9V—DC12V. Switch power is applied in the controller, which allows maximum voltage of DC15V. Overvoltage may cause ASM-201H Series to enter protection mode or damages. There are over-voltage, overheat and over-current protections in ASM-201H series.

4.2 Connected with Exit Button



4.3 External Card Reader



4.4 How to choose the relay output

First of all, you should make clear whether the lock is driven by using the same power with the controller or using a separate power when controlling the electric lock of 201B series.

If rated driving voltage applied on the lock is not the same with that of the controller, a separate power working type must be adopted.

When choosing the power for driving the electric lock, actual power supply capacity and rated working voltage for the electric lock should be also taken into account.

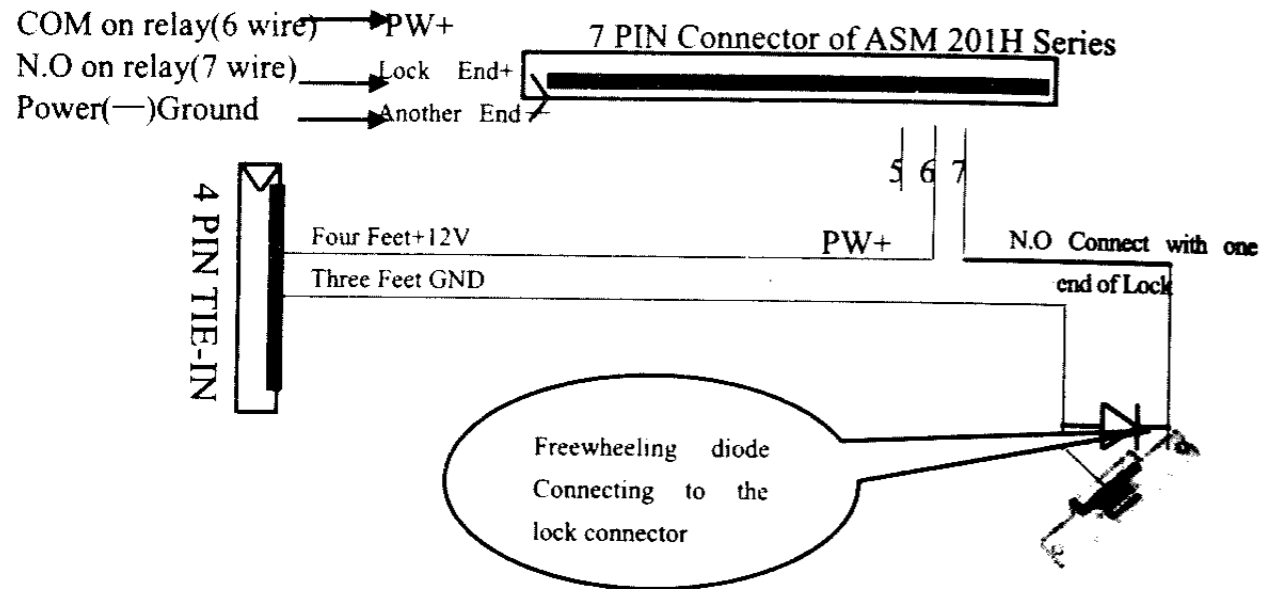
The following table provides rated voltage and current for some common locks

Electric lock	Rated voltage	Current	Min. power supplied
Pulse lock (1)	12V	3.3A	42W
Pulse lock (2)	12V	1.1A	15W

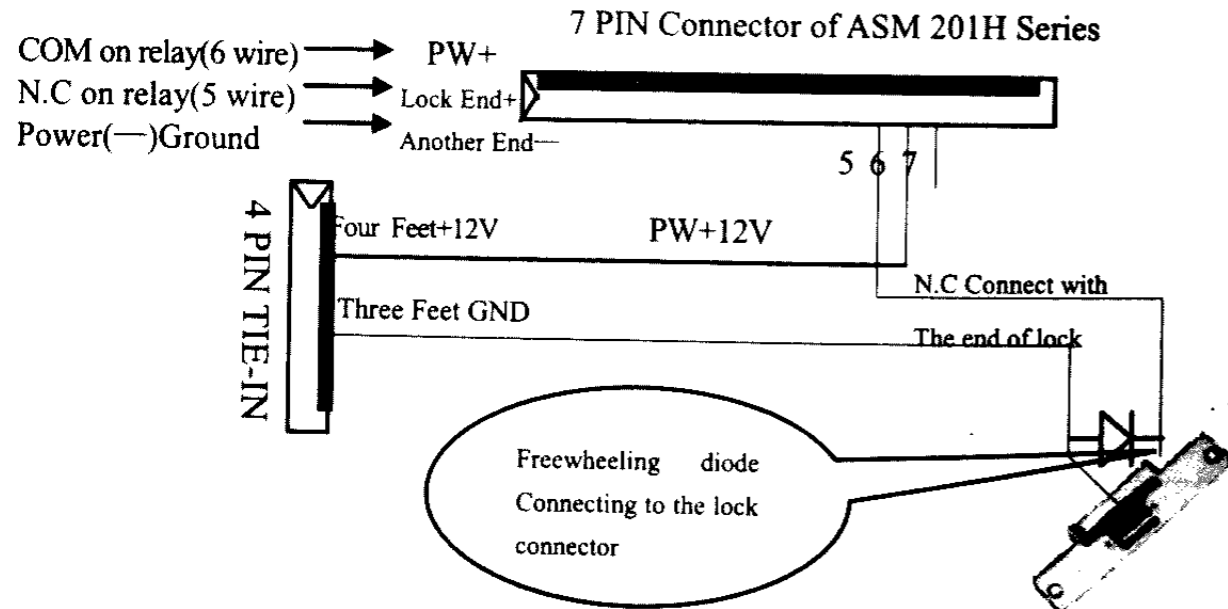
Electric strike	12V	0.38--1A	6--15W
Electric lock for glass doors	12V	0.6--1.2A	15W
Magnetic lock for glass doors	12V	0.6--1.2A	15W

4.5 Use the Same Power to Drive Electric Lock

(1) Use the same power to drive an **Normally closed lock** (locking upon power off)



(2) Use the same power to drive an **Normally open lock** (Unlocking upon powering off)

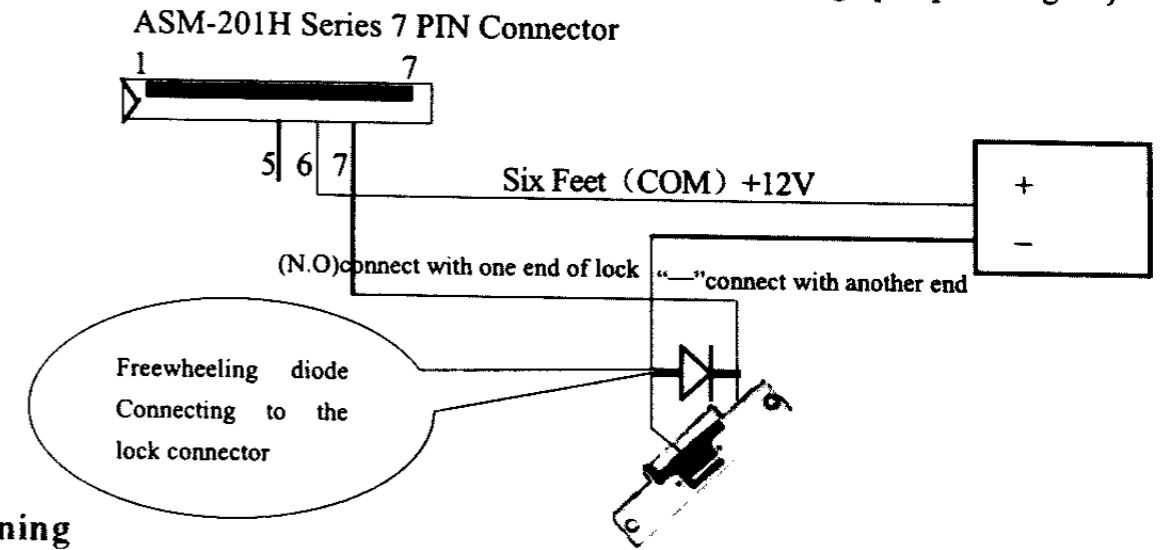


Warning

If an always-close lock is connected in the way that an always-open lock does, the electric lock may be damaged due to constant power supply to the electric lock coil.

4.6 Using separate power to drive an electric lock

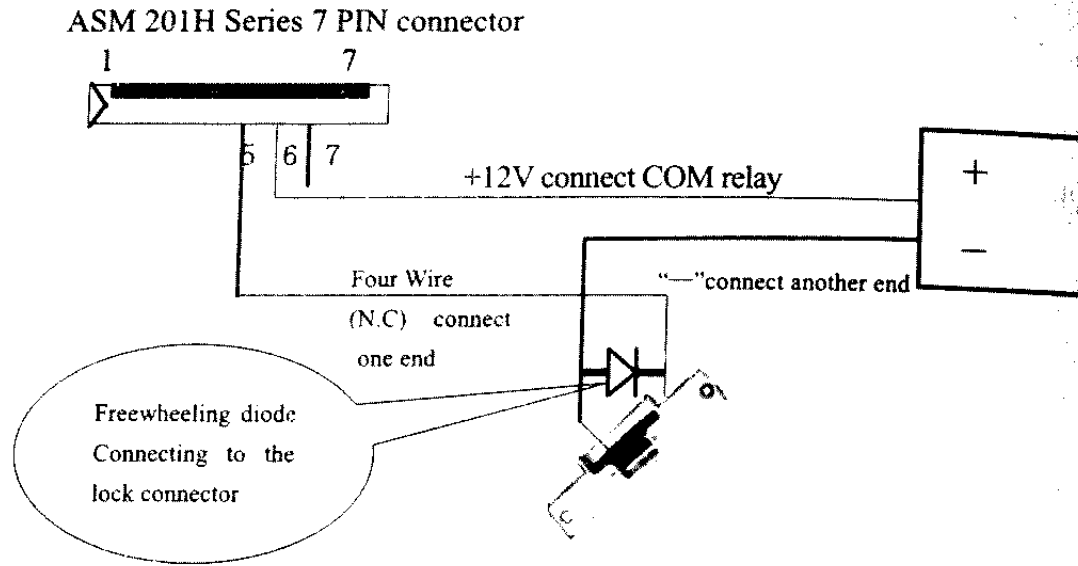
(1) Using separate power to drive an normally open lock (unlocking upon powering off)



Warning

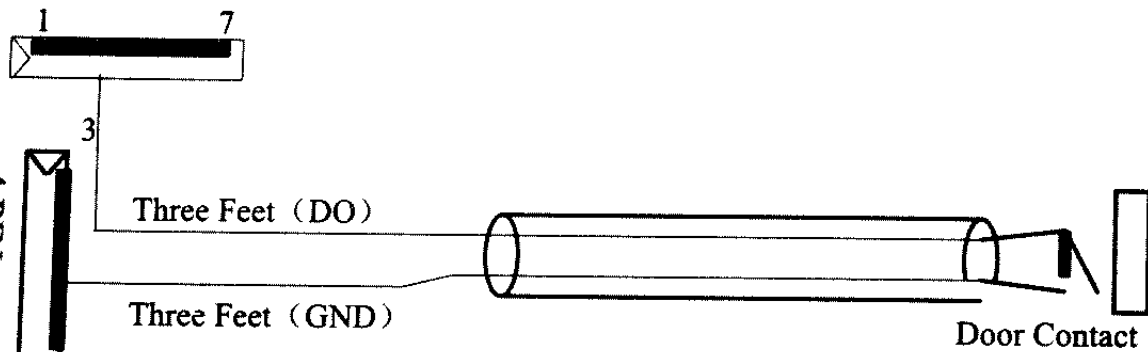
If an always-close lock is connected in the way that an always-open lock does, the electric lock may be damaged due to constant power supply to the electric lock coil.

(2) Using separate power to drive an normally open lock (unlocking upon powering off)



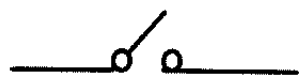
4.7 Connecting Door Magnet(Door Sensor)

7 PIN Connector(Inductive pot 1)



The function of door switch monitor

When the door is open, the door magnet (door switch sensor) has two output types usually:



Type 1: Open circuit

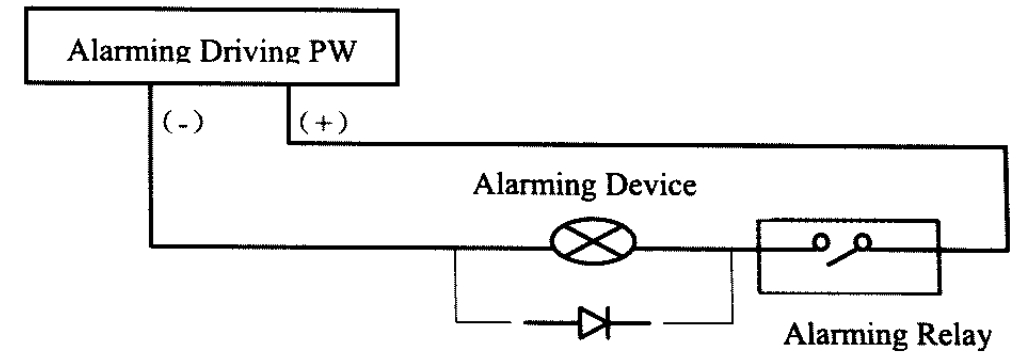


Type 2: Close (short circuit)

4.8 Alarming Output

ASM 201H Series provides OC door output in case of alarm:

Note: If an instant buzzer or DC ring is used as an "alarming device", a freewheeling diode should be added to both ends of the device in order to increase the system EMC indication.



4.9 Connecting Alarming Linkage (Emergency)

In 7PIN connectors of ASM-201H Series, emergency input will be effective provided that "close of XFLD and GND", and the close time should not less than 0.1 second.

