



AC-1000

Installation Guide

Version Eng-1.00

Contents



AC-1000

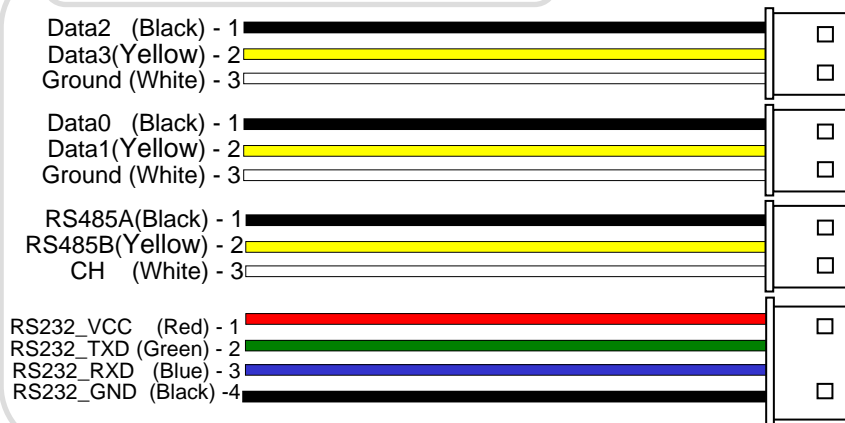
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1. Product Contents

Item	Feature	Quantity	Remark
AC-1000 Terminal		1 EA	AC-1000RF: 125KHz AC-1000SA: 13.56MHz
12V Power Adapter		1 EA	110V - 220V
Power Cable		1 EA	
Bracket		1 EA	Wall mounting metal bracket
Wall mounting Screw		4 EA	For wall mounting
Screw		2 EA	For fixing terminal
Cables		3 EA	Wiegand/ RS-232 Interface

2. External Connectors

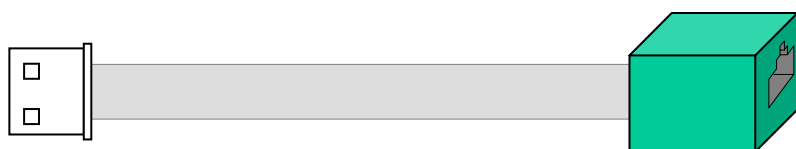
3 Pin Wiegand & 232/485 Housing



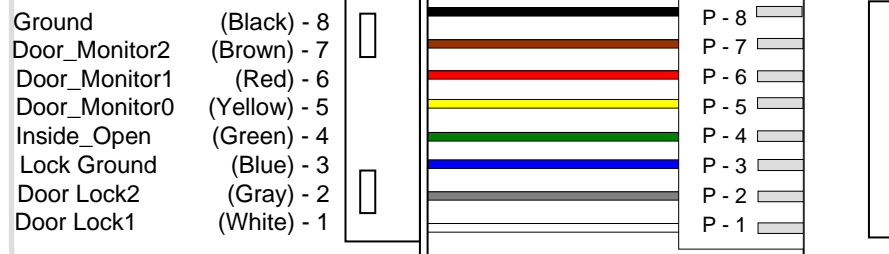
Power Adapter



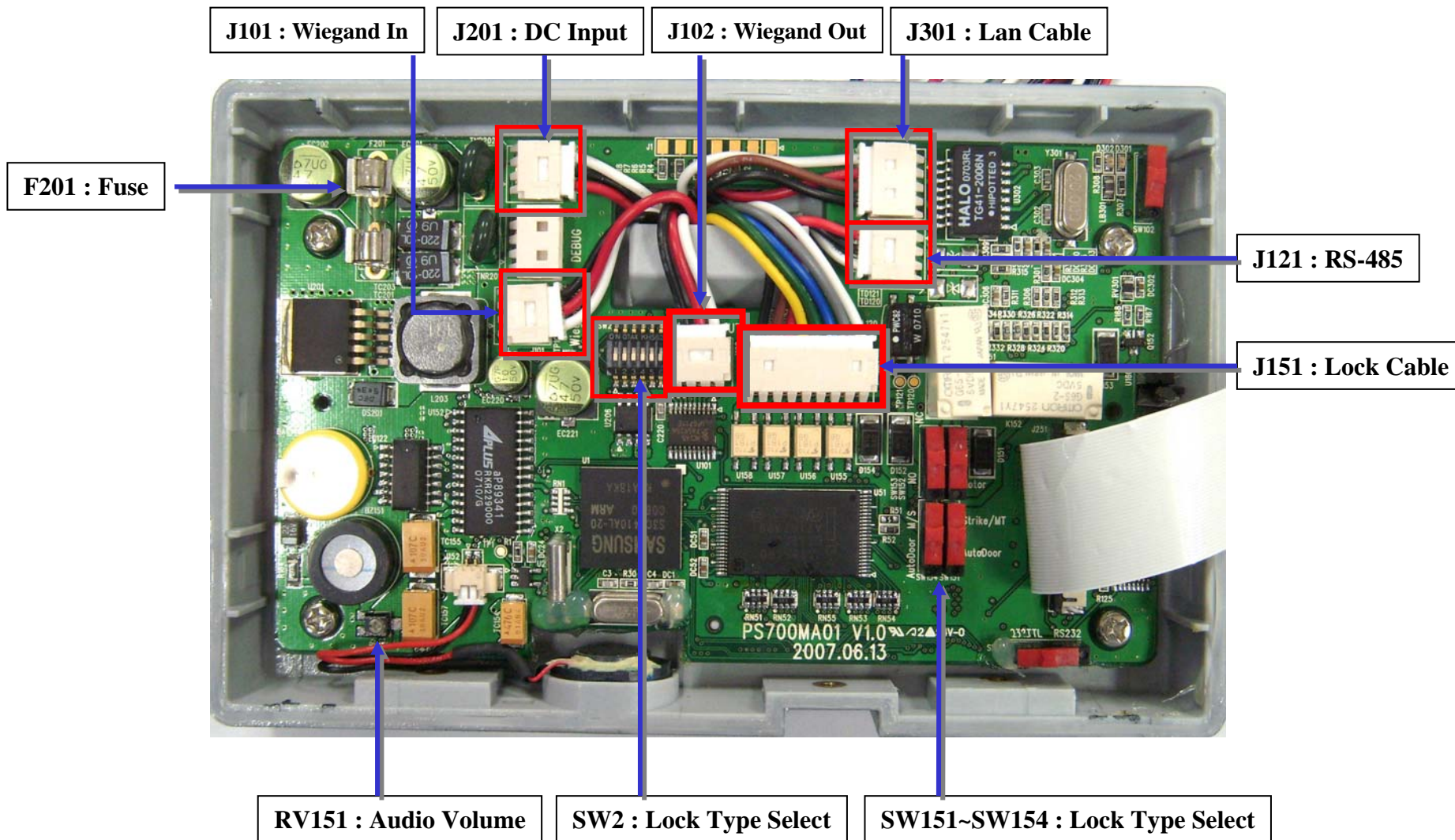
Network Interface (RJ45)



8 Pin Door Lock Housing

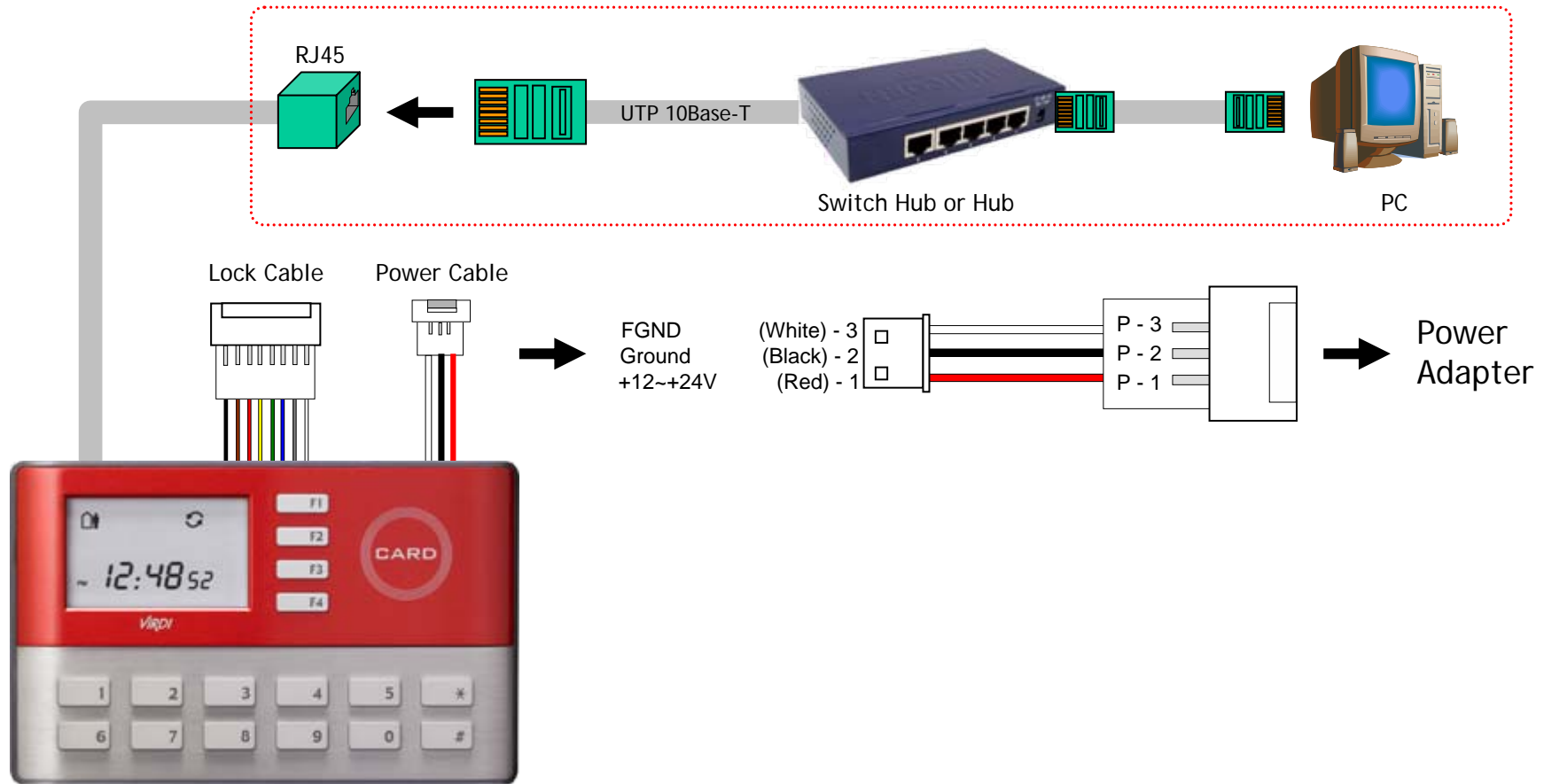


3. Main Board Feature



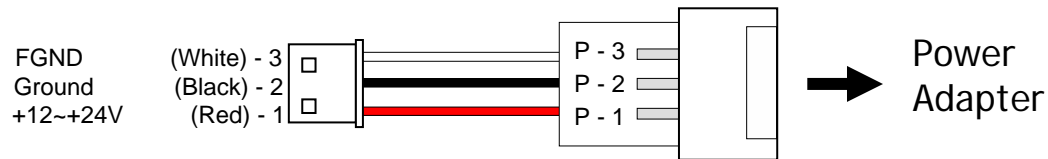
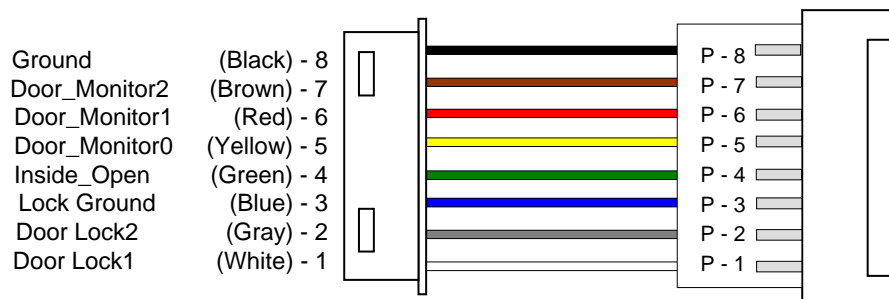
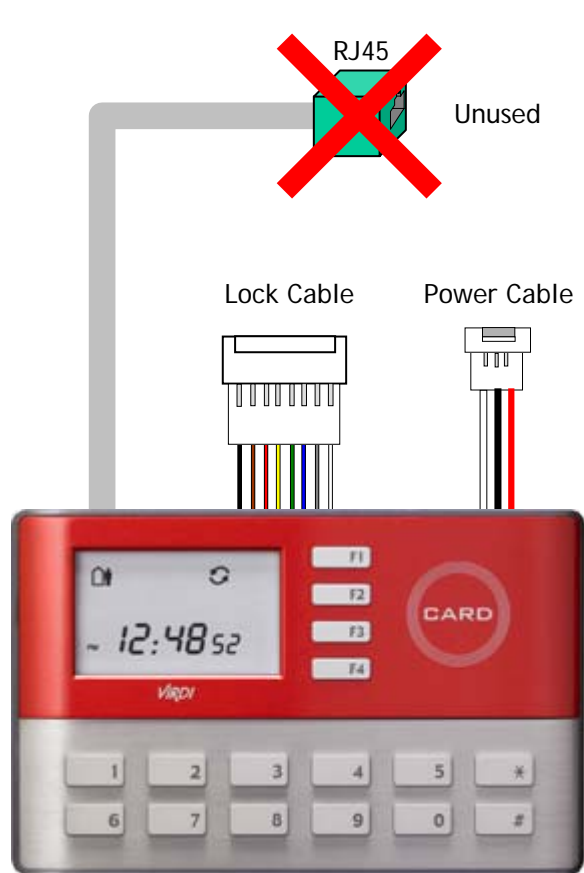
4. LAN Connection

4.1. Network use



4. LAN Connection

4.2. Stand-alone use



5. Installation Process

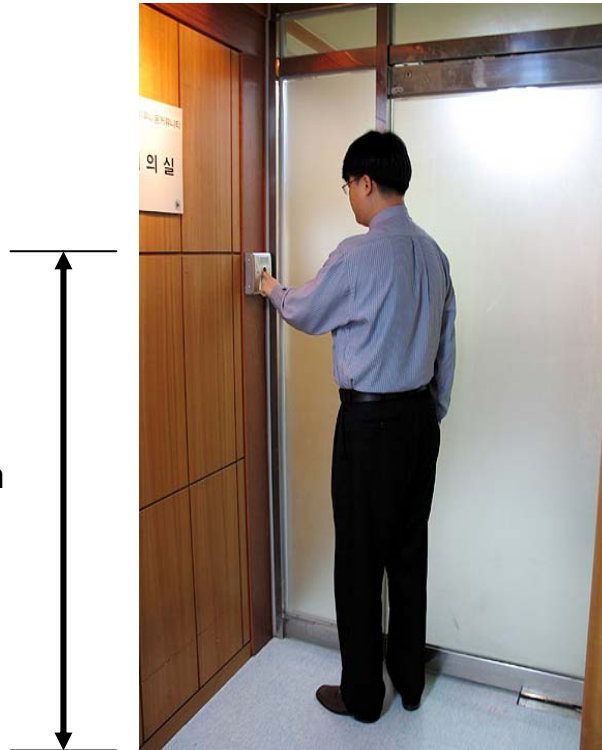
Order	Installation Process
1	Select installation place of the terminal and door lock type.
2	Distribute LAN cable and Power cable to the terminal location.
3	Distribute cable to terminal for the electric lock and exit button connection.
4	Fix wall-mount bracket on a wall using 4 screws.
5	Connect the terminal to door lock cable and RJ45 for TCP/IP.
6	Connect the terminal to exit button and power adaptor.
7	Fix terminal and wall mount bracket using a octagonal shape screw after cable connections.
8	Supply power to the terminal and check.

6. Detailed Installation Process

6.1. Installation Position

The suggested installation height of the terminal is 150cm~160cm from the floor.



150cm ~ 160cm



6. Detailed Installation Process

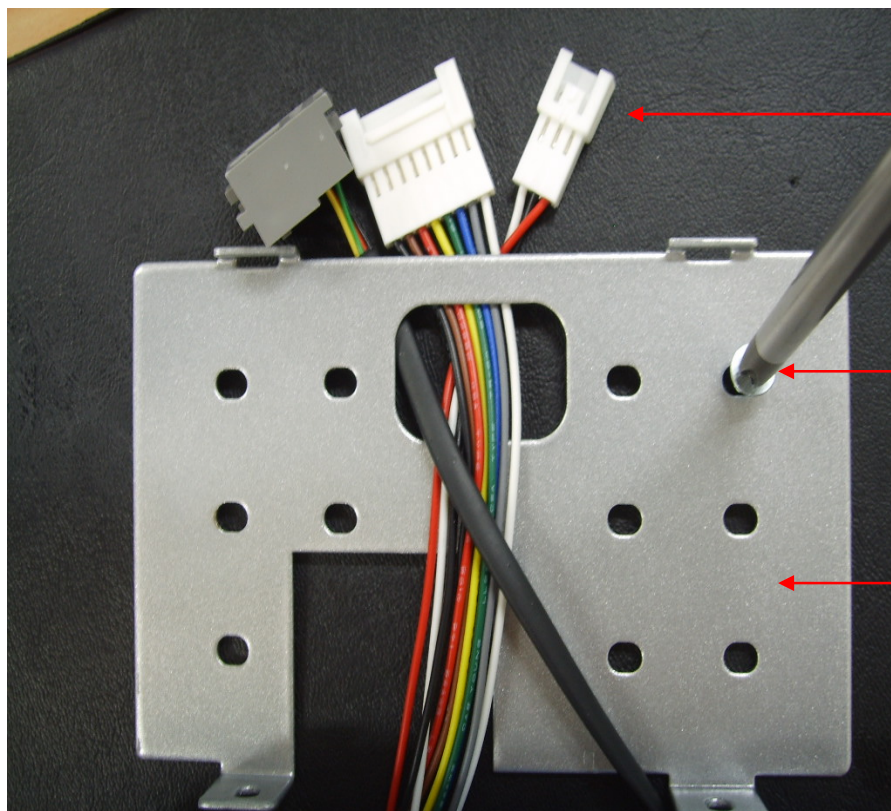
6.2. Cable connection

Distribute LAN cable and Power cable to the terminal location.

	<p>Prepare UTP cable for TCP/IP communication. Perform a communication test with a LAN tester before connecting the cable.</p>
	<p>Main source of electricity and adaptor must be installed inside of door.</p>

6. Detailed Installation Process

6.3. Installation of wall-mount bracket



POWER (12V-24V) & RJ45(LAN Cable)

Wall-mounting screw

Wall-mount bracket

6. Detailed Installation Process

6.4. Terminal fixing

Fix the terminal and wall mount bracket using a octagonal shape screw after cable connections.

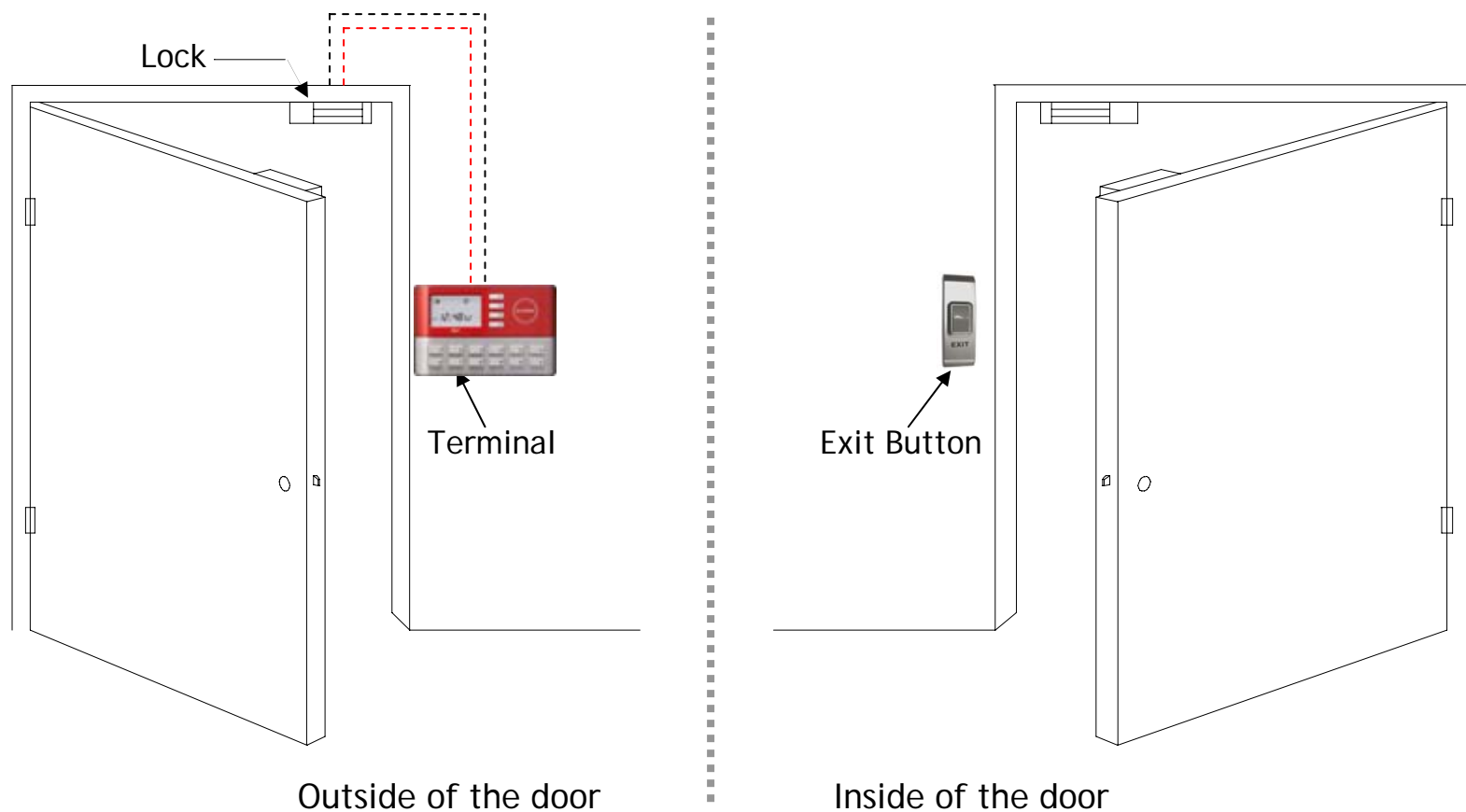


Fixing screw

6. Detailed Installation Process

6.5. Distribution of wiring for electric lock and exit button

Distribute cable to the terminal for electric lock and exit button connection.



6. Detailed Installation Process

6.6. Power line connection

Terminal connection



Take out the connector using tool or finger.

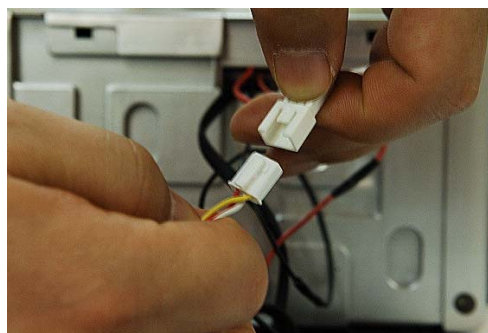


Wire exit button to the connector.



After wiring, put the connector to original position.

Power adaptor connection

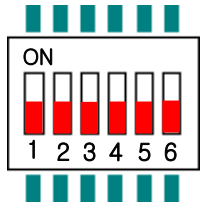


7. Connection to Dead-Bolt Type Door Lock

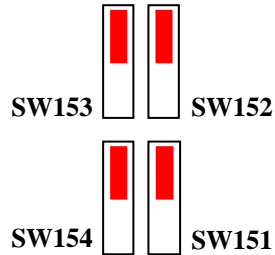
7.1. Connect one terminal to one lock

Lock Type Select S/W

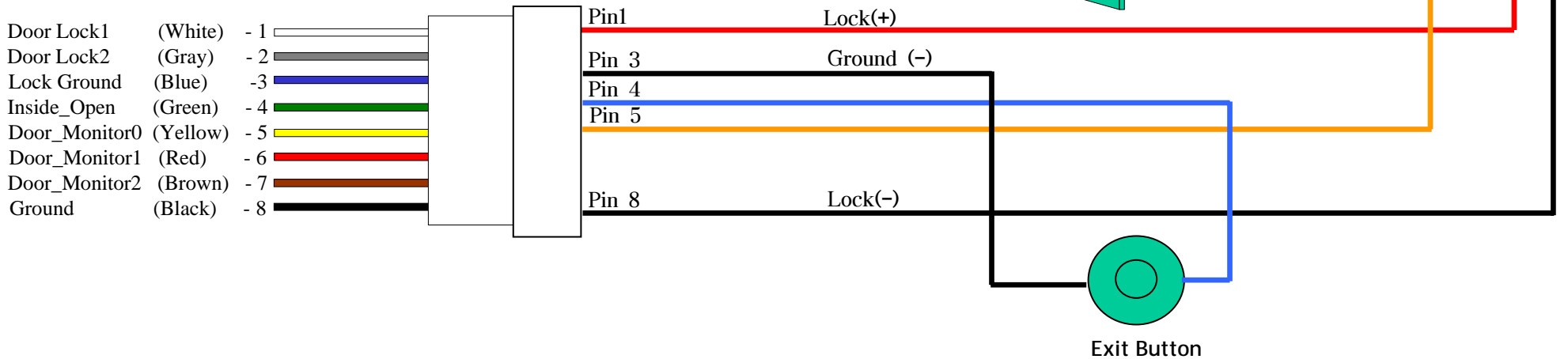
1) SW2



2) SW151~SW154



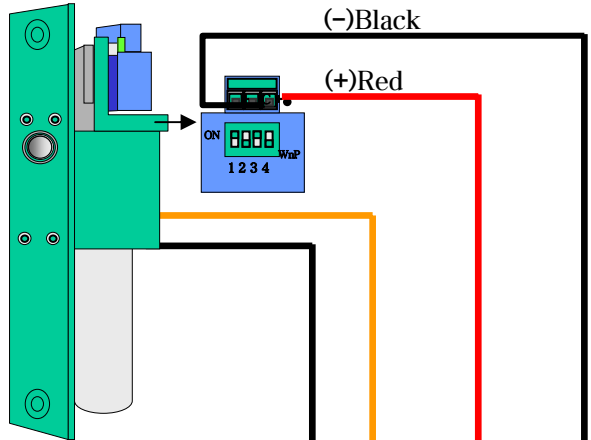
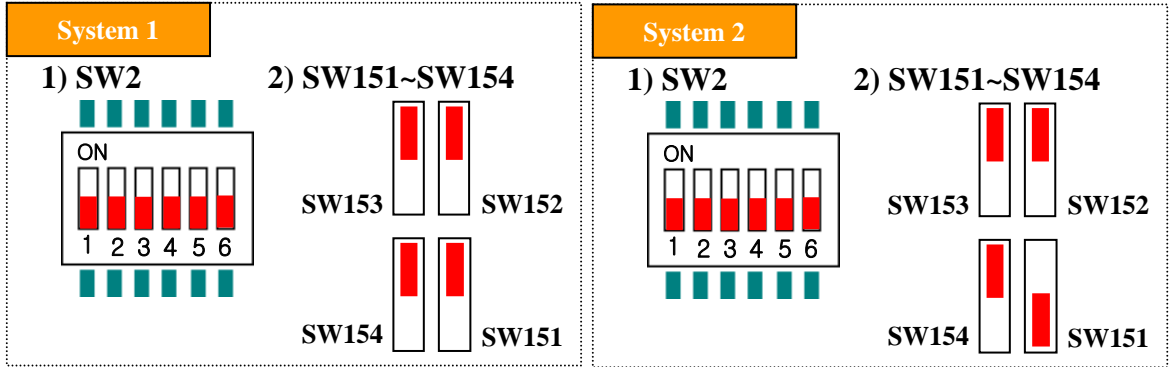
Connection Diagram



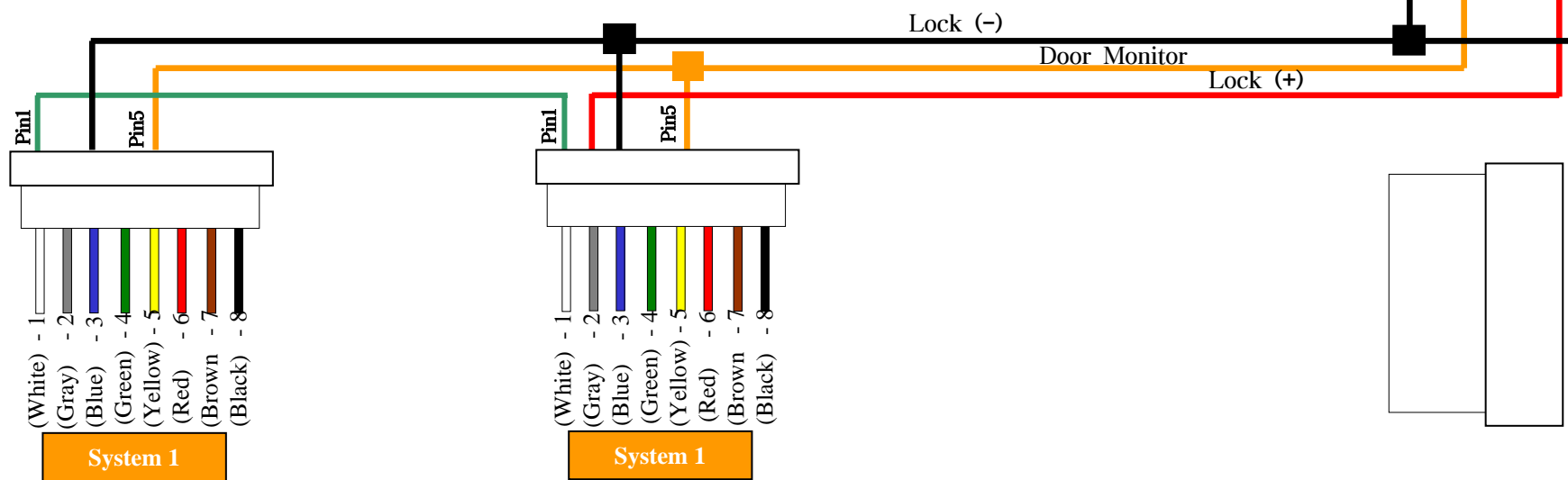
7. Connection to Dead-Bolt Type Door Lock

7.2. Connect two terminals to same lock

Lock Type Select S/W



Connection Diagram

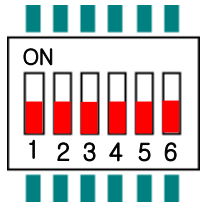


8. Connection to Strike Type Door Lock

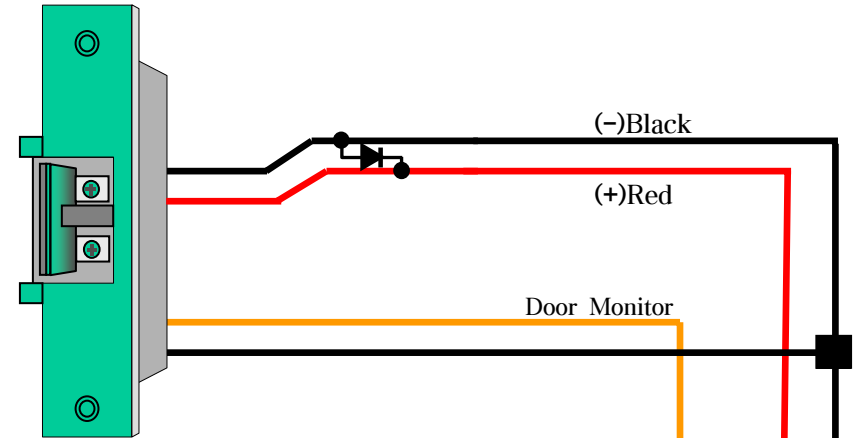
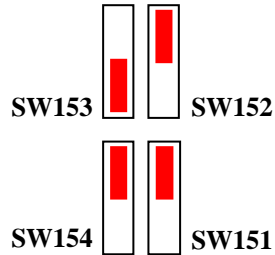
8.1. Connect one terminal to one lock

Lock Type Select S/W

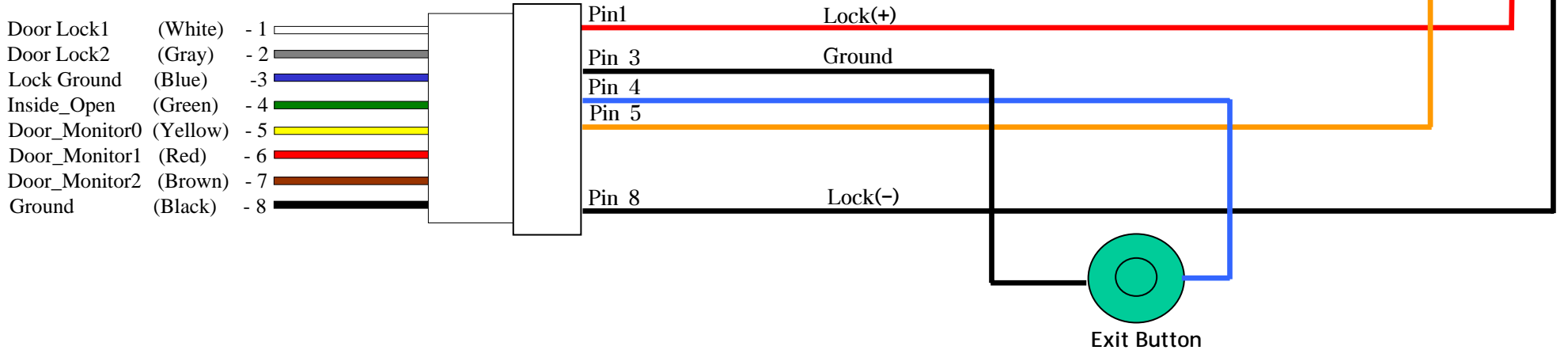
1) SW2



2) SW151~SW154



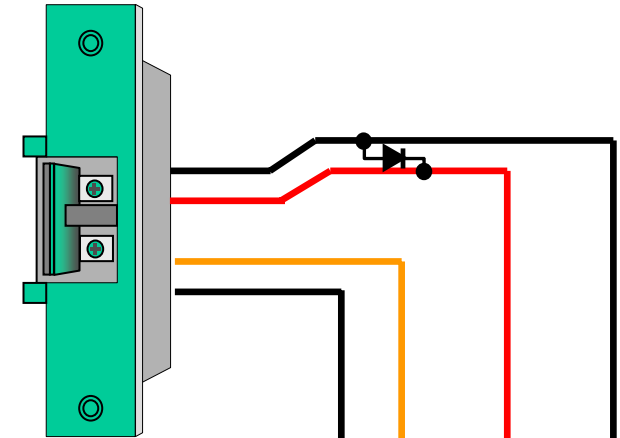
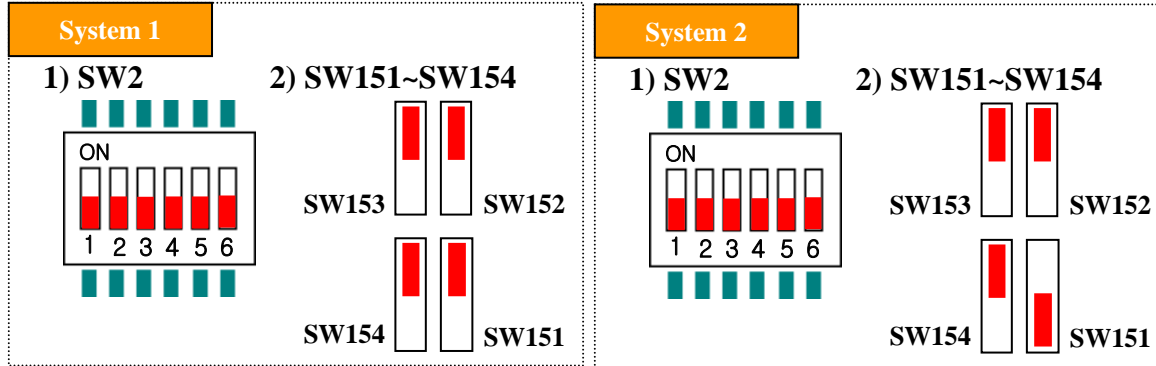
Connection Diagram



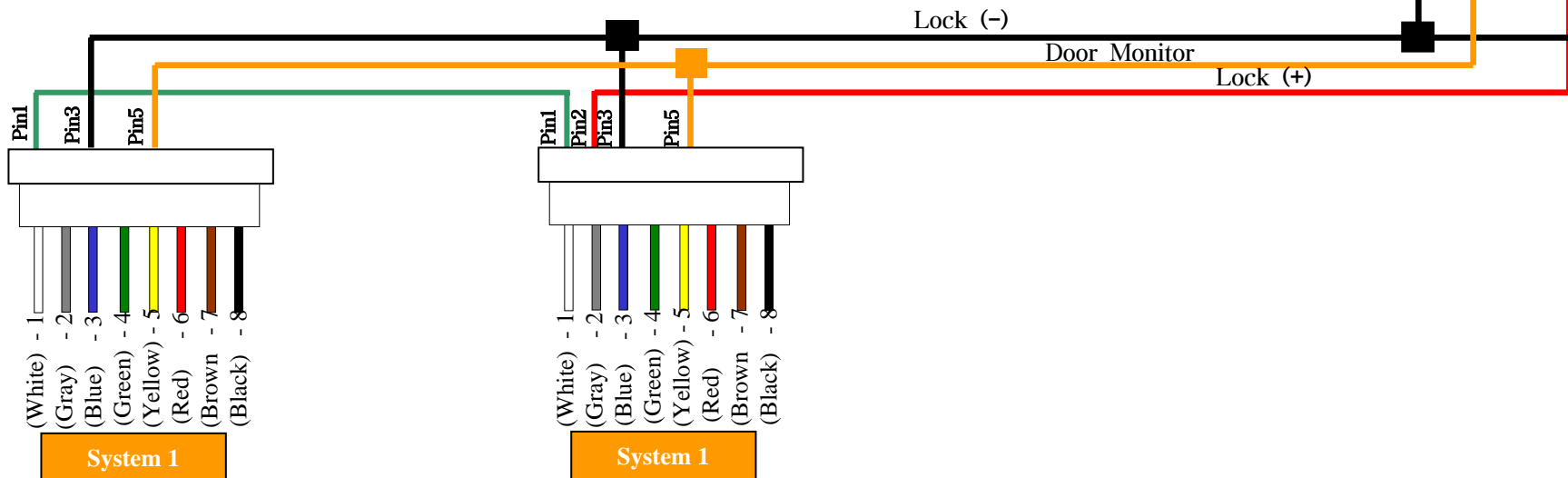
8. Connection to Strike Type Door Lock

8.2. Connect two terminals to same lock

Lock Type Select S/W



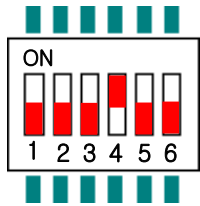
Connection Diagram



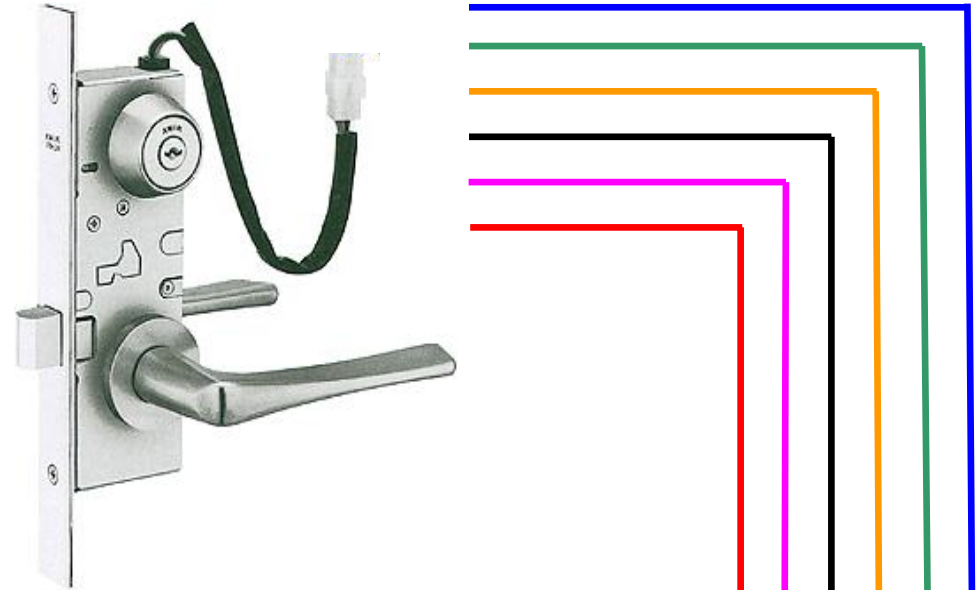
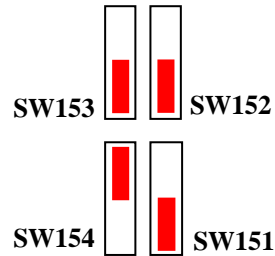
9. Connection to Motor Lock

Lock Type Select S/W

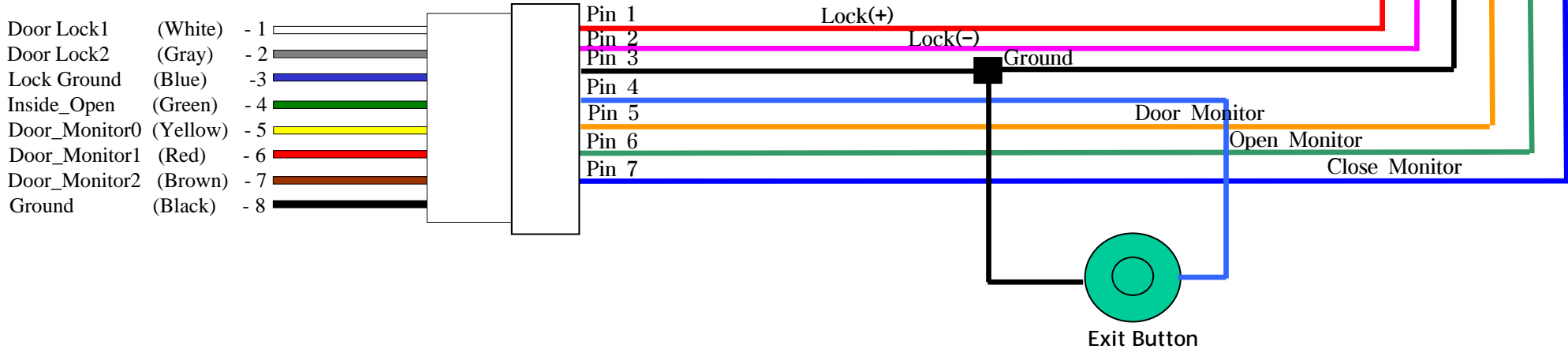
1) SW2



2) SW151~SW154



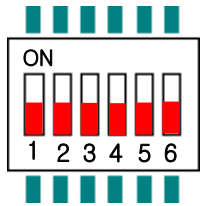
Connection Diagram



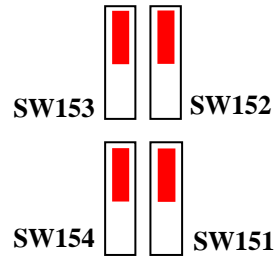
10. Connection to EM Type Door Lock

Lock Type Select S/W

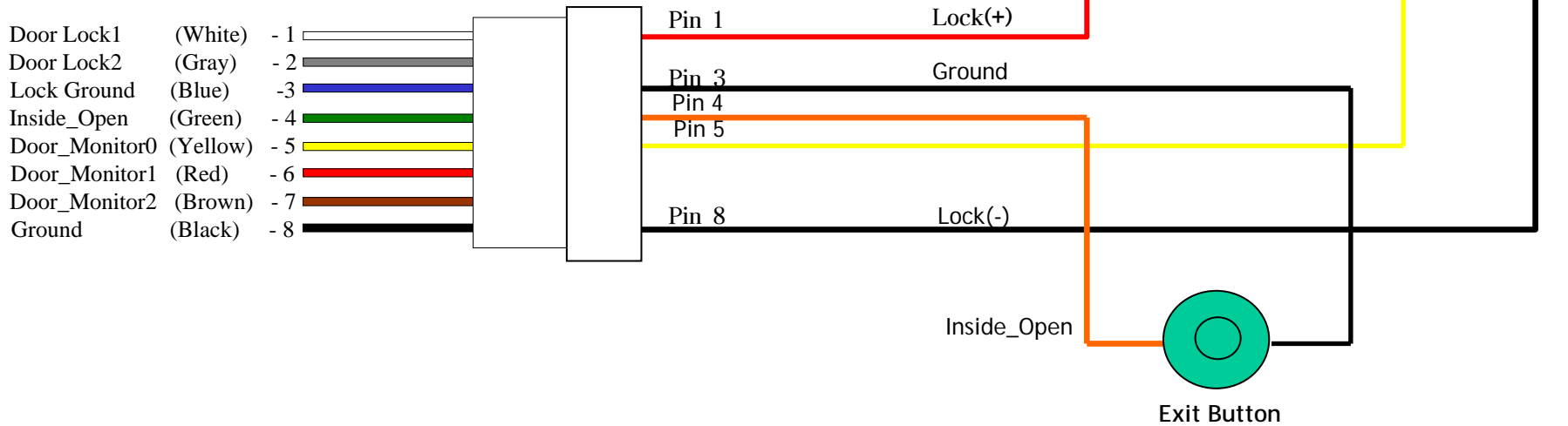
1) SW2



2) SW151~SW154



Connection Diagram



11. Q&A

Q) The terminal does not work when power is supplied.

- Check the connection between the terminal and the power adaptor.
- Check the voltage of power cable(3PIN). 12V is normal voltage.
- Replace fuse.

Q) The terminal can not connect to the server after network setting.

- Check the normal condition of network HUB and cable.
- Check if static IP is conflicting with another IP. (In case of using static IP)
- Check the server network condition if terminal is normally set.

Q) Voice guidance does not work normally.

- Check the terminal setting menu. Voice setting value must be set "1"
(It is possible to check voice setting value through server.)

Q) Authentication has failed.

- Check User Level on the server. There are different levels of access grade.
- If user card is not registered correctly, authentication has failed.
In this case delete user ID and register user card again.