

# ***Installation Guide for AC-6000 V1.0***

## ***Fingerprint Identification Terminal***



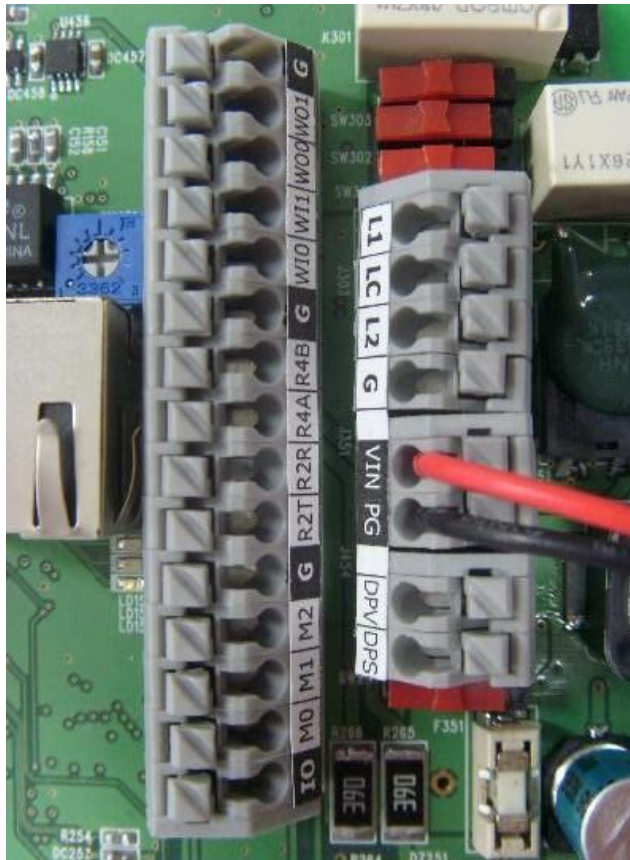
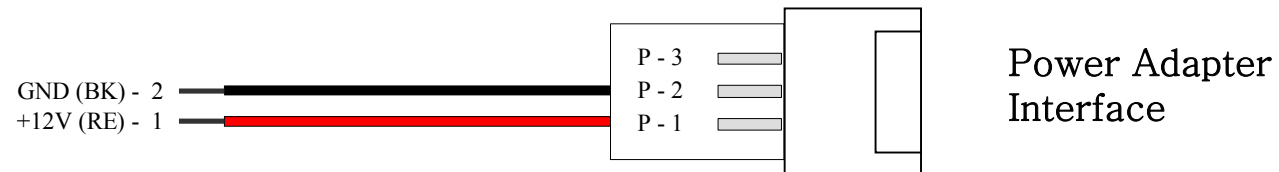
*Doc. Ver. : V1.00*

*Apr., 08.2009*

*R&D Center*

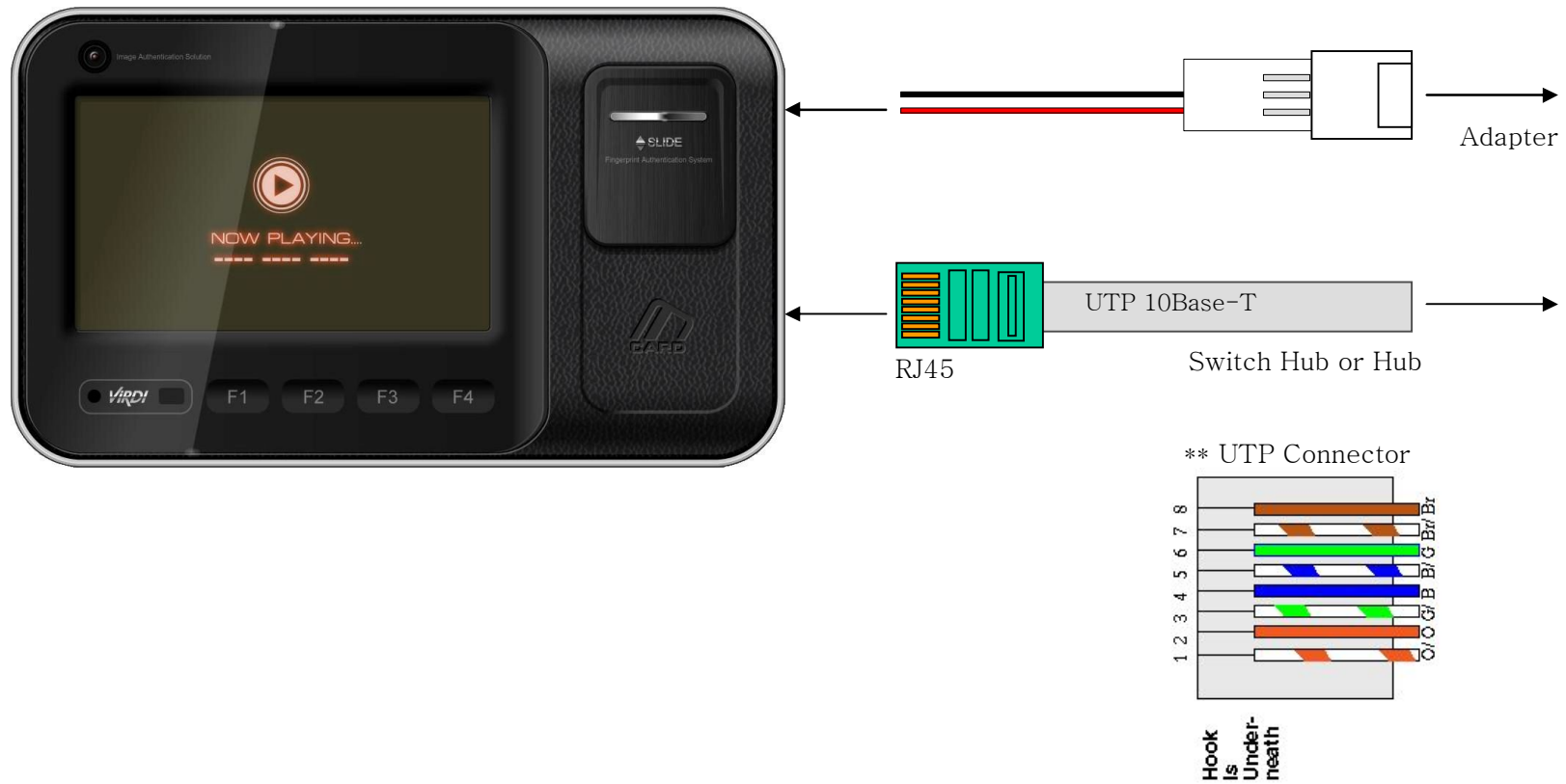
***Union Community Co., Ltd.***

# 1. Power Connector connection

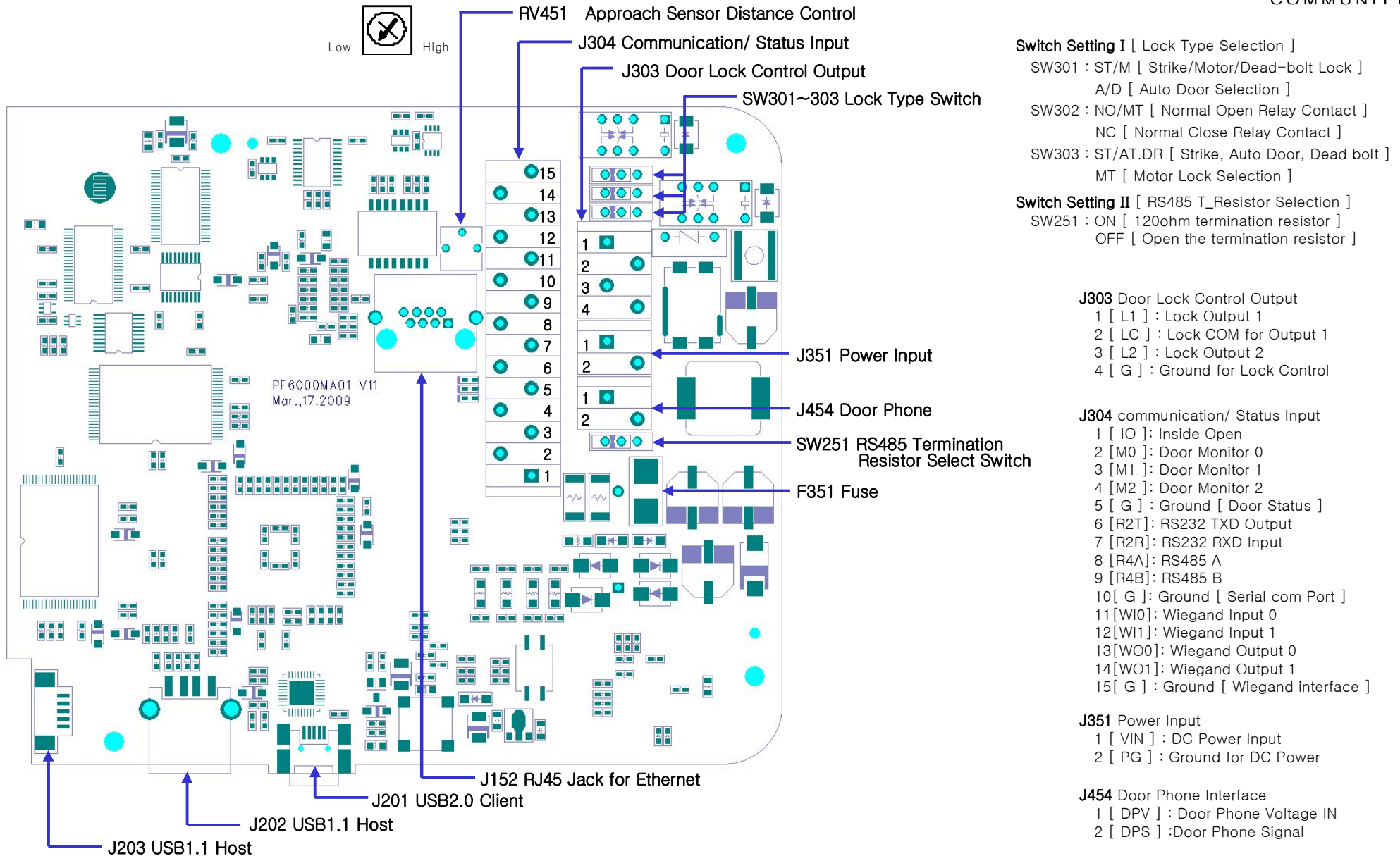


\*\* Insert the Power Cable to VIN/PG Terminal Block in right color matching as the picture

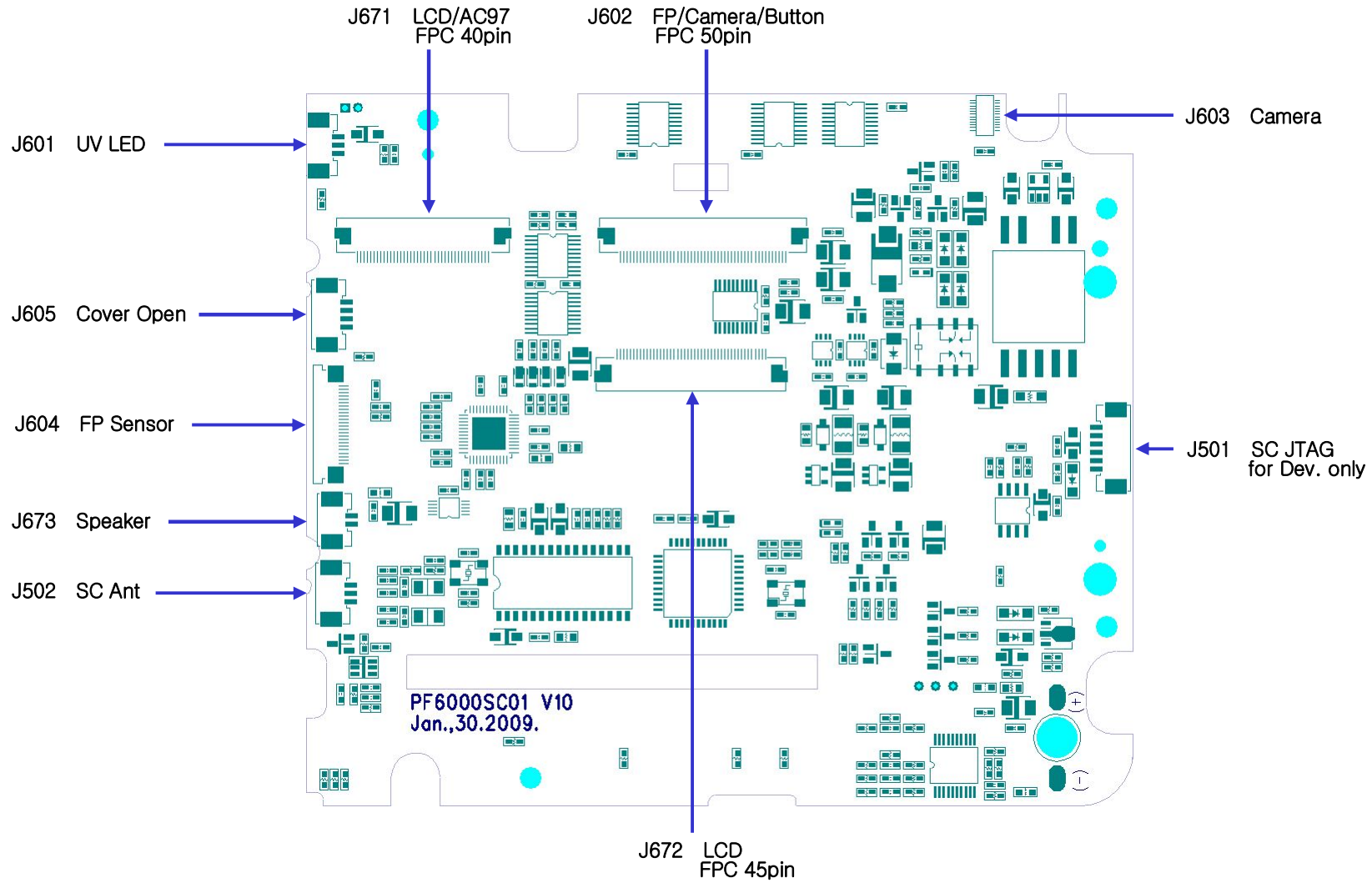
## 2. Connecting Ethernet & Power Cable



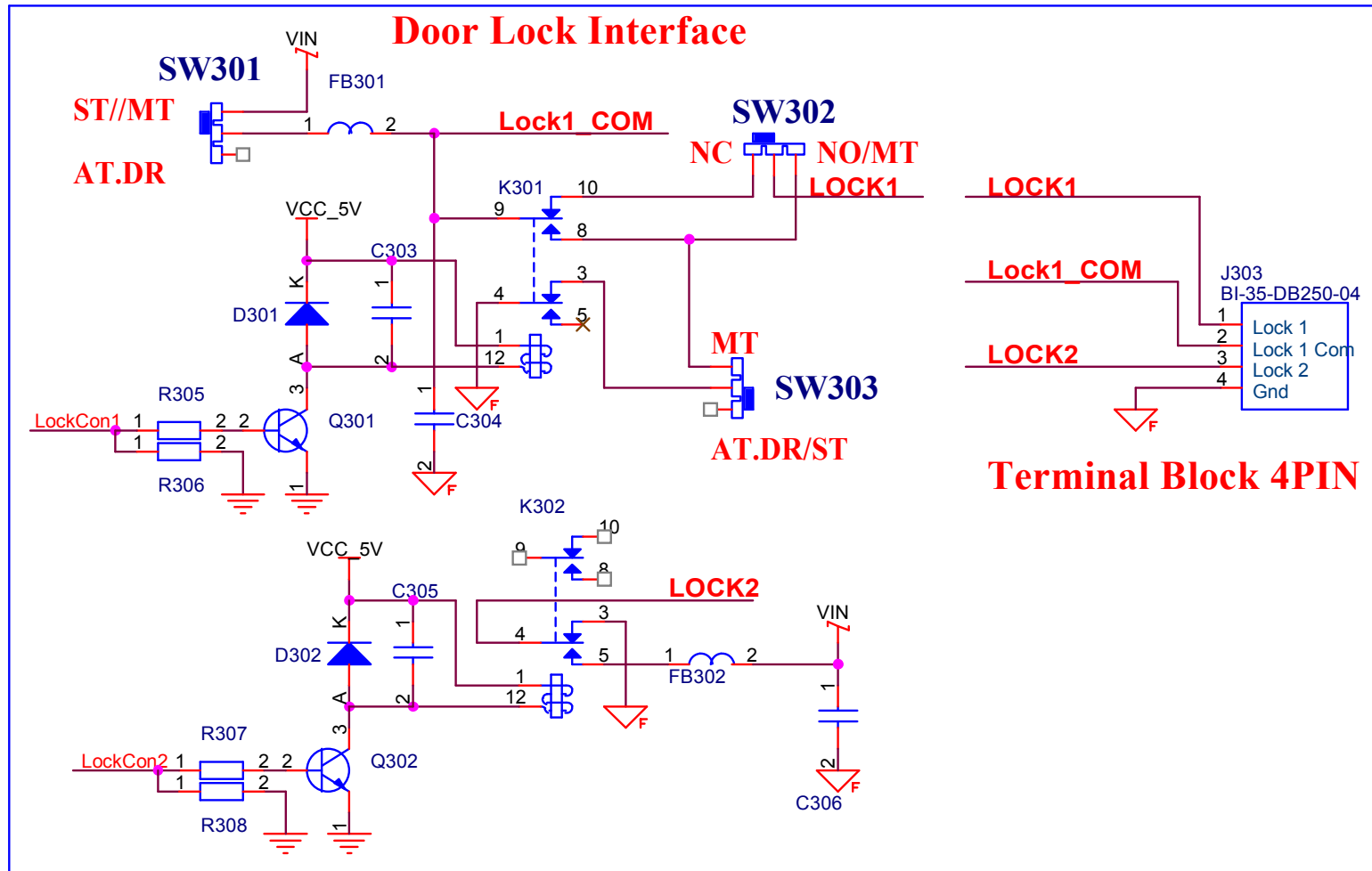
# 3. Main Board Feature



# 4. Keypad Board Feature



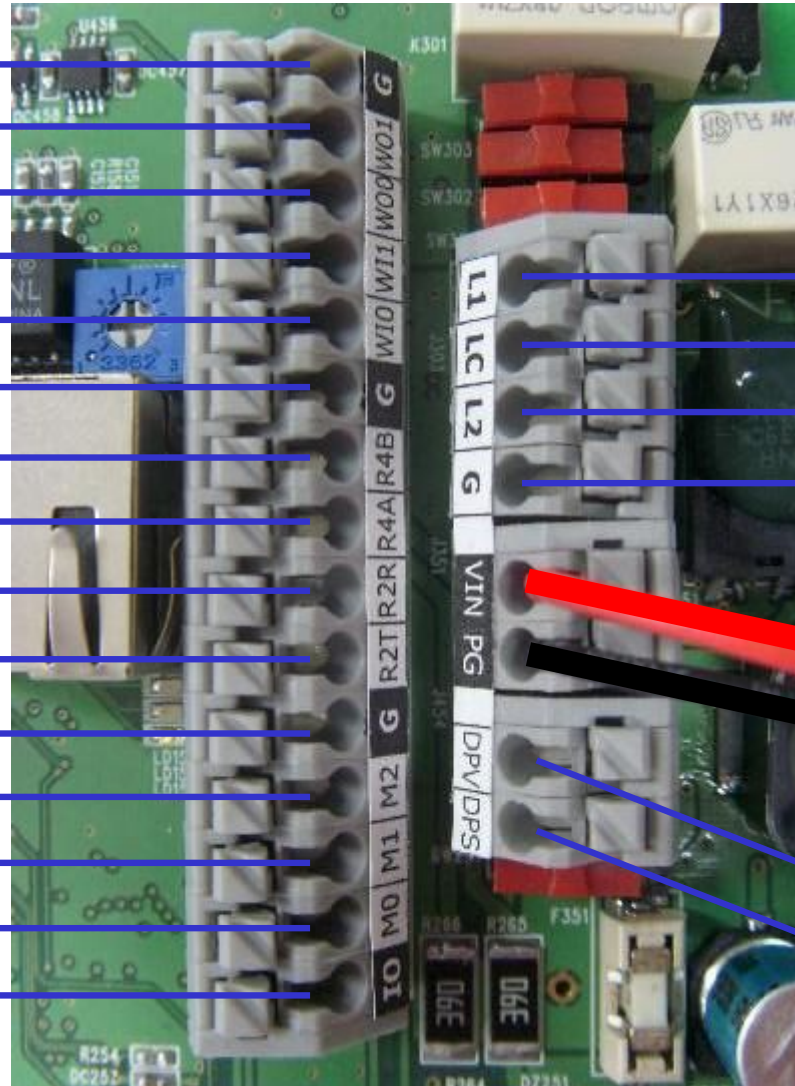
# 5. Schematic for Door Lock Interface



# 6. Connection of Wires to terminal blocks

## J304 communication/ Status Input

- 15 [ G ] : Ground [ Wiegand ]
- 14 [ WO1 ] : Wiegand Output 1
- 13 [ WO0 ] : Wiegand Output 0
- 12 [ WI1 ] : Wiegand Input 1
- 11 [ WI0 ] : Wiegand Input 0
- 10 [ G ] : Ground [ Serial Port ]
- 9 [ R4B ] : RS485 B
- 8 [ R4A ] : RS485 A
- 7 [ R2R ] : RS232 RXD Input
- 6 [ R2T ] : RS232 TXD Output
- 5 [ G ] : Ground [ Input ]
- 4 [ M2 ] : Door Monitor 2
- 3 [ M1 ] : Door Monitor 1
- 2 [ M0 ] : Door Monitor 0
- 1 [ IO ] : Inside Open



## J303 Door Lock Control Output

- 1 [ L1 ] : Lock Output 1
- 2 [ LC ] : Lock COM for Output 1
- 3 [ L2 ] : Lock Output 2
- 4 [ G ] : Ground for Lock Control

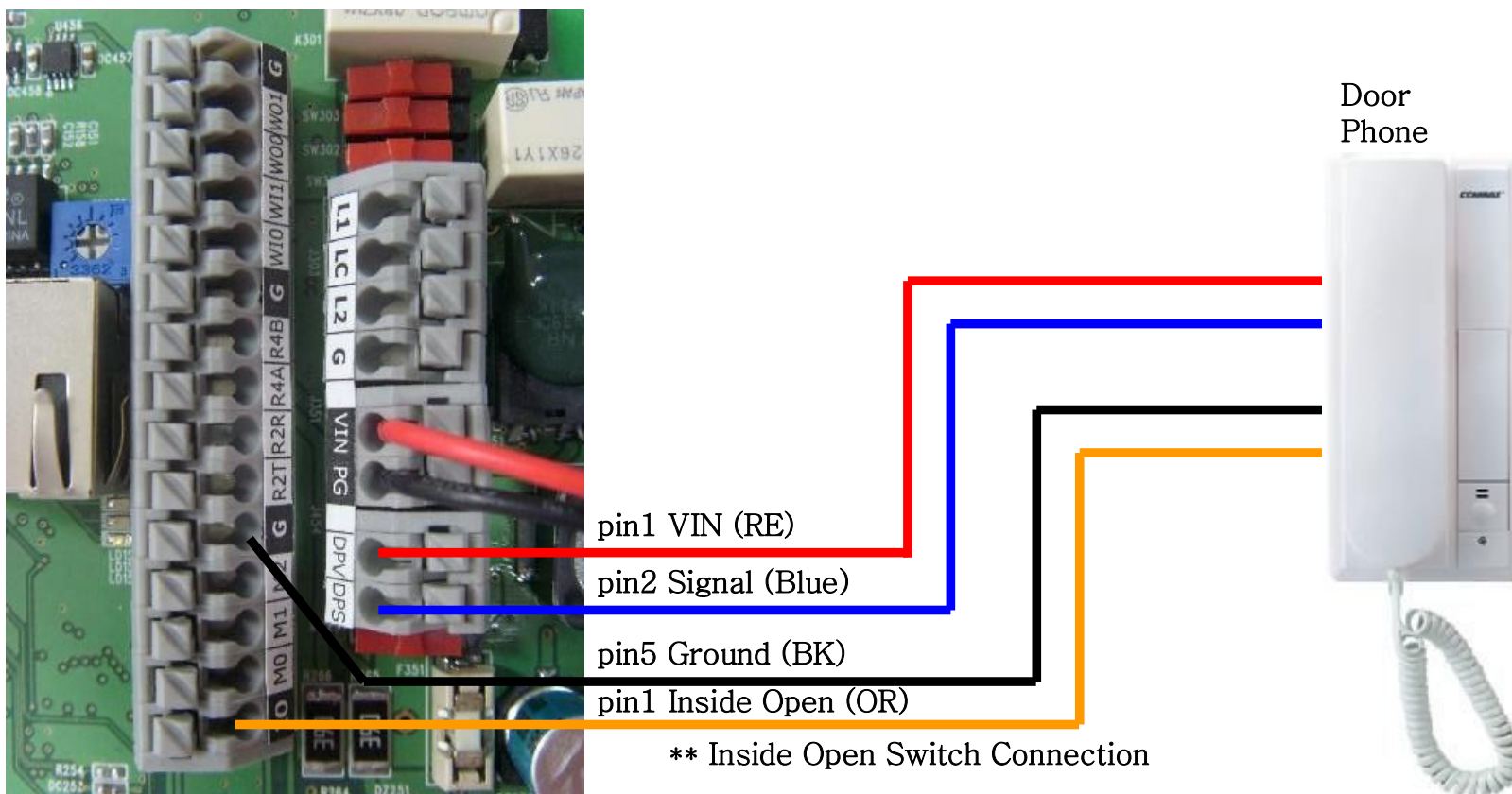
## J351 Power Input

- 1 [ VIN ] : DC Power Input
- 2 [ PG ] : Ground for DC Power

## J454 Door Phone Interface

- 1 [ DPV ] : Door Phone Voltage IN
- 2 [ DPS ] : Door Phone Signal

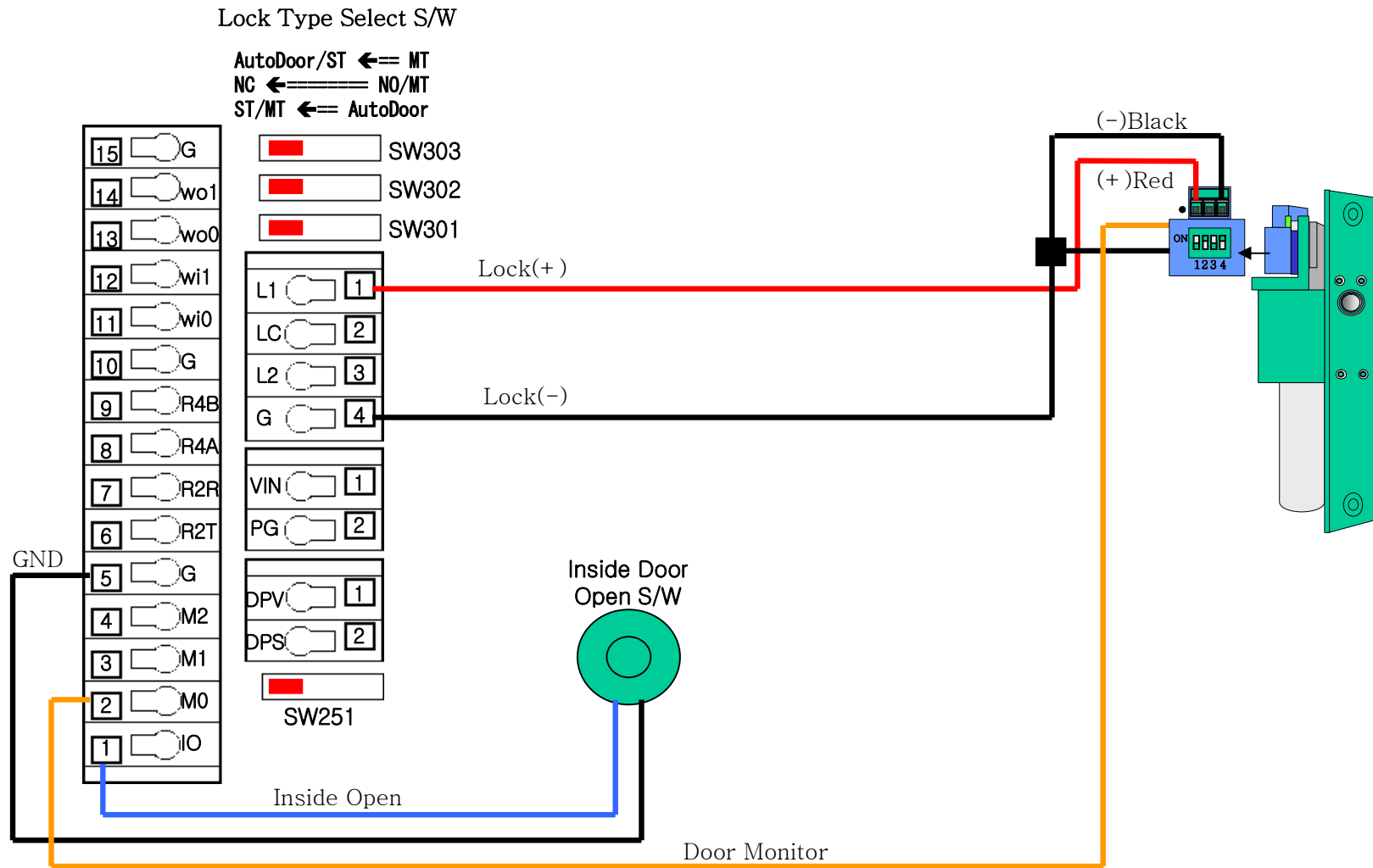
## 7. Connection of Door Phone



- ※ The Installation distance is Max 30M(100feet) between AC-6000 and Door Phone.  
If you want to call the door phone, please use the “Call” button.
- ※ The Color is not important....

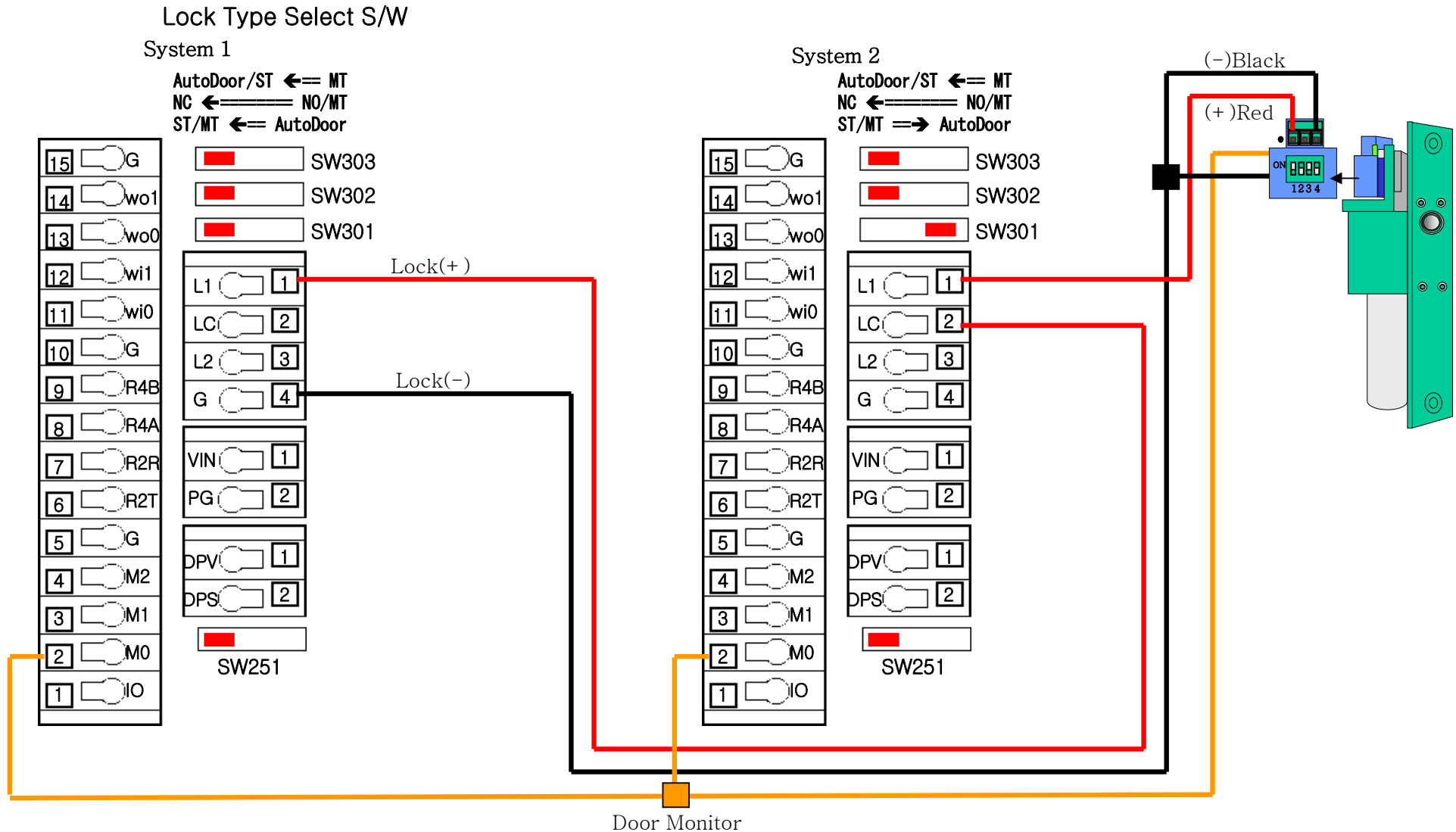
# 8. Connecting Dead-Bolt Type Door Lock (Fail Safe)

## 8.1. Connect with One System/ One Lock



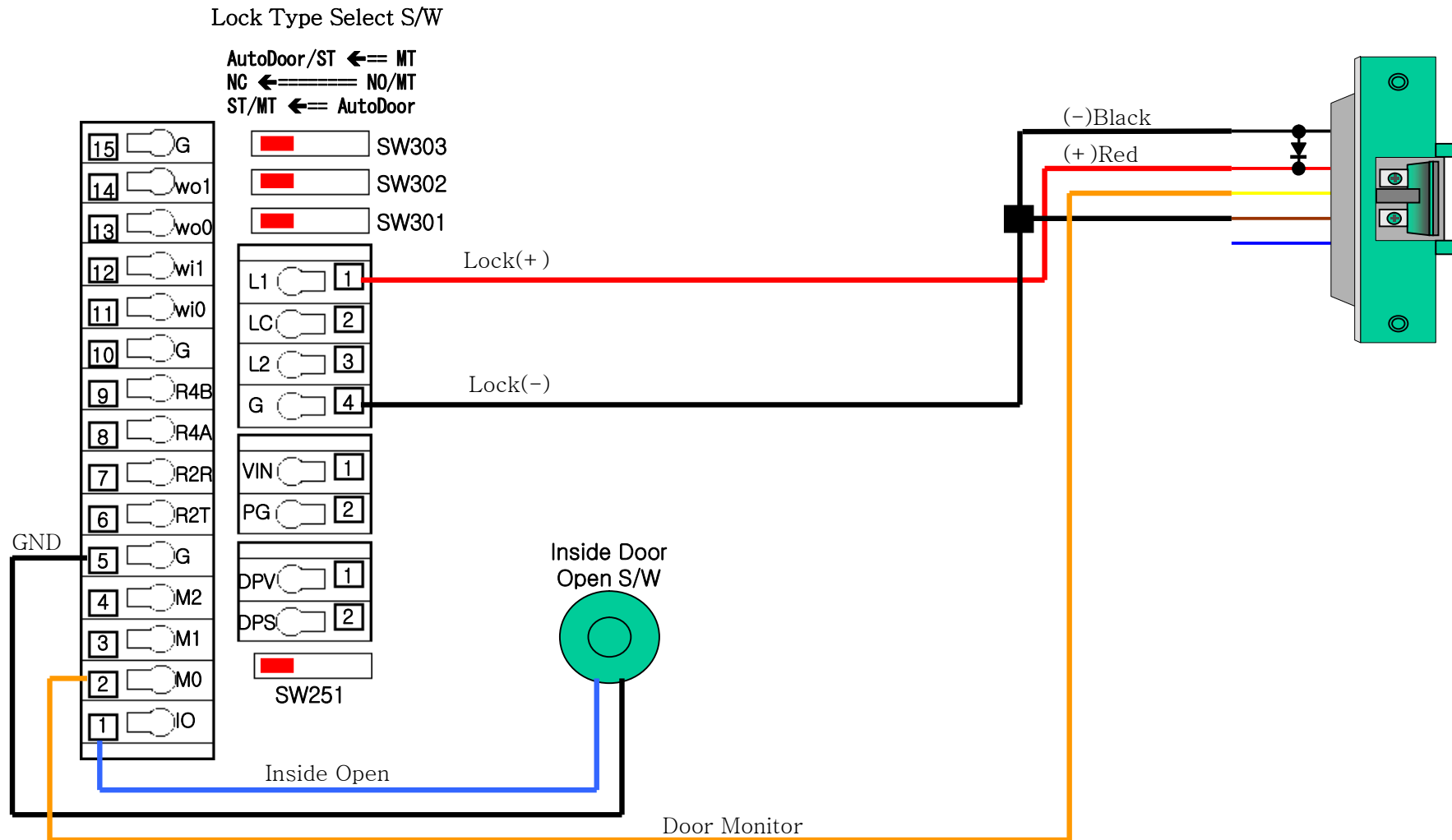
# 8. Connecting Dead-Bolt Type Door Lock (Fail Safe)

## 8.2. Connect with Two Systems/ One Lock



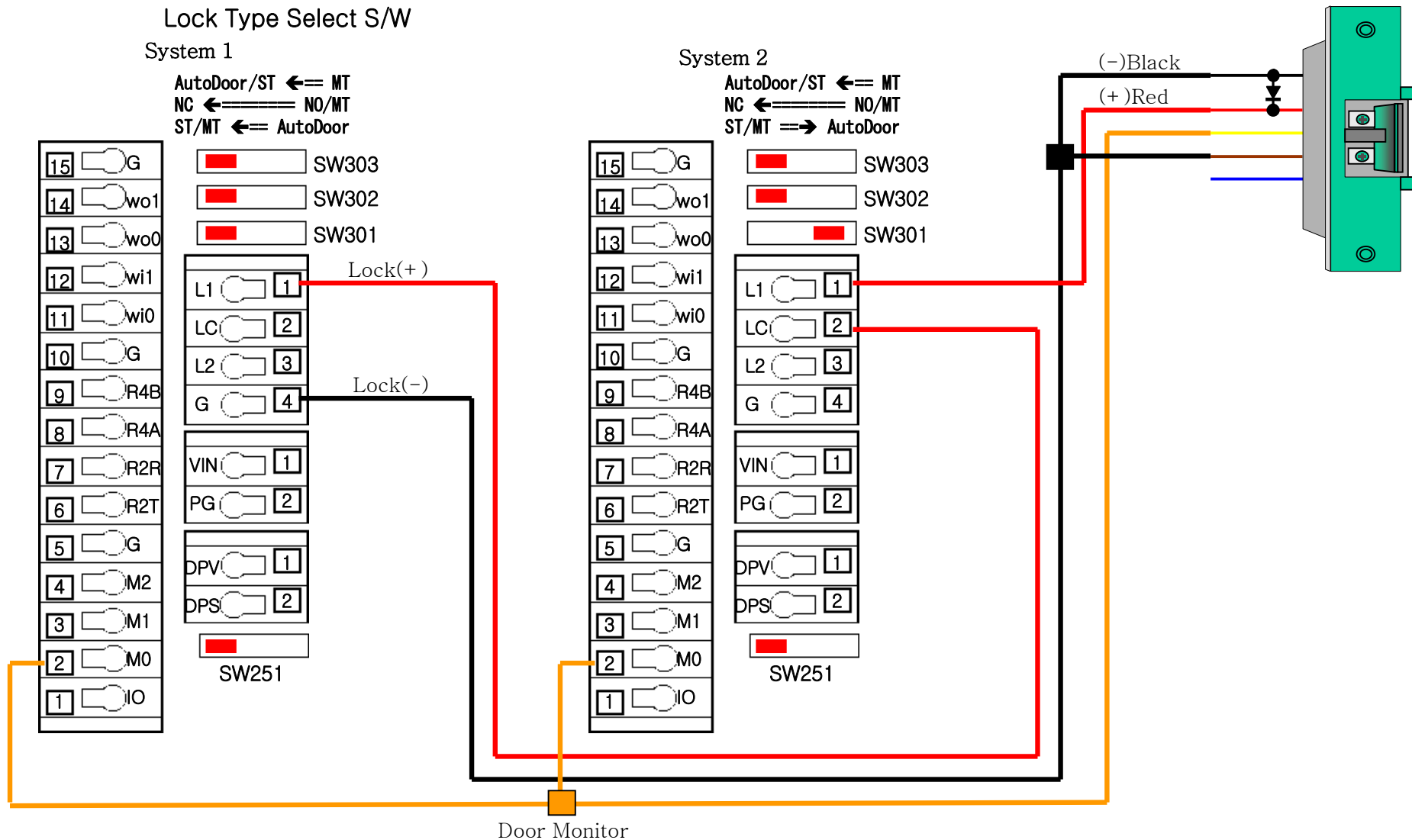
# 9. Connecting Strike Type Door Lock (Fail Safe)

9.1. Connect with One system/ One Lock



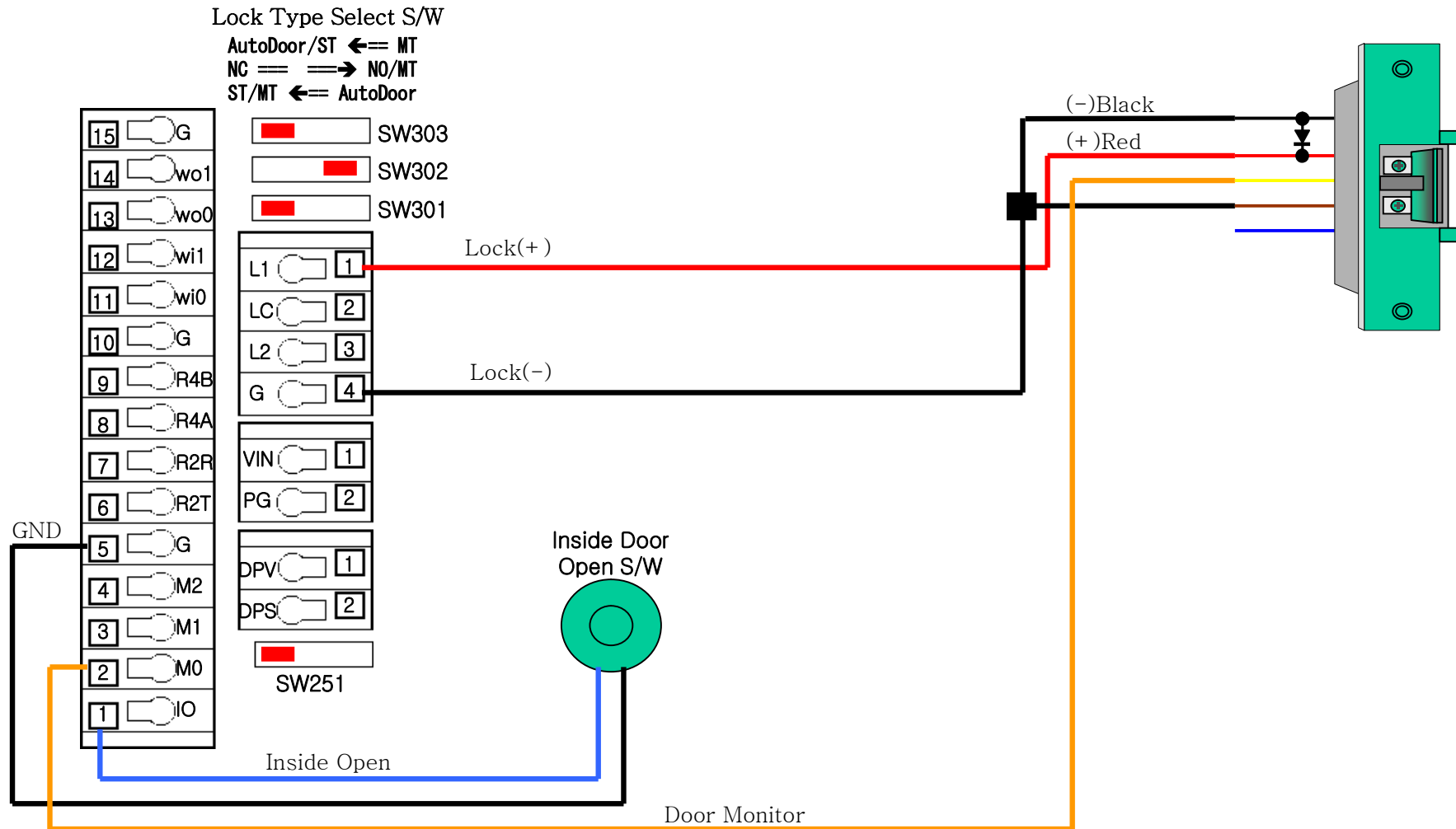
# 9. Connecting Strike Type Door Lock (Fail Safe)

## 9.2. Connect with Two systems/ One Lock



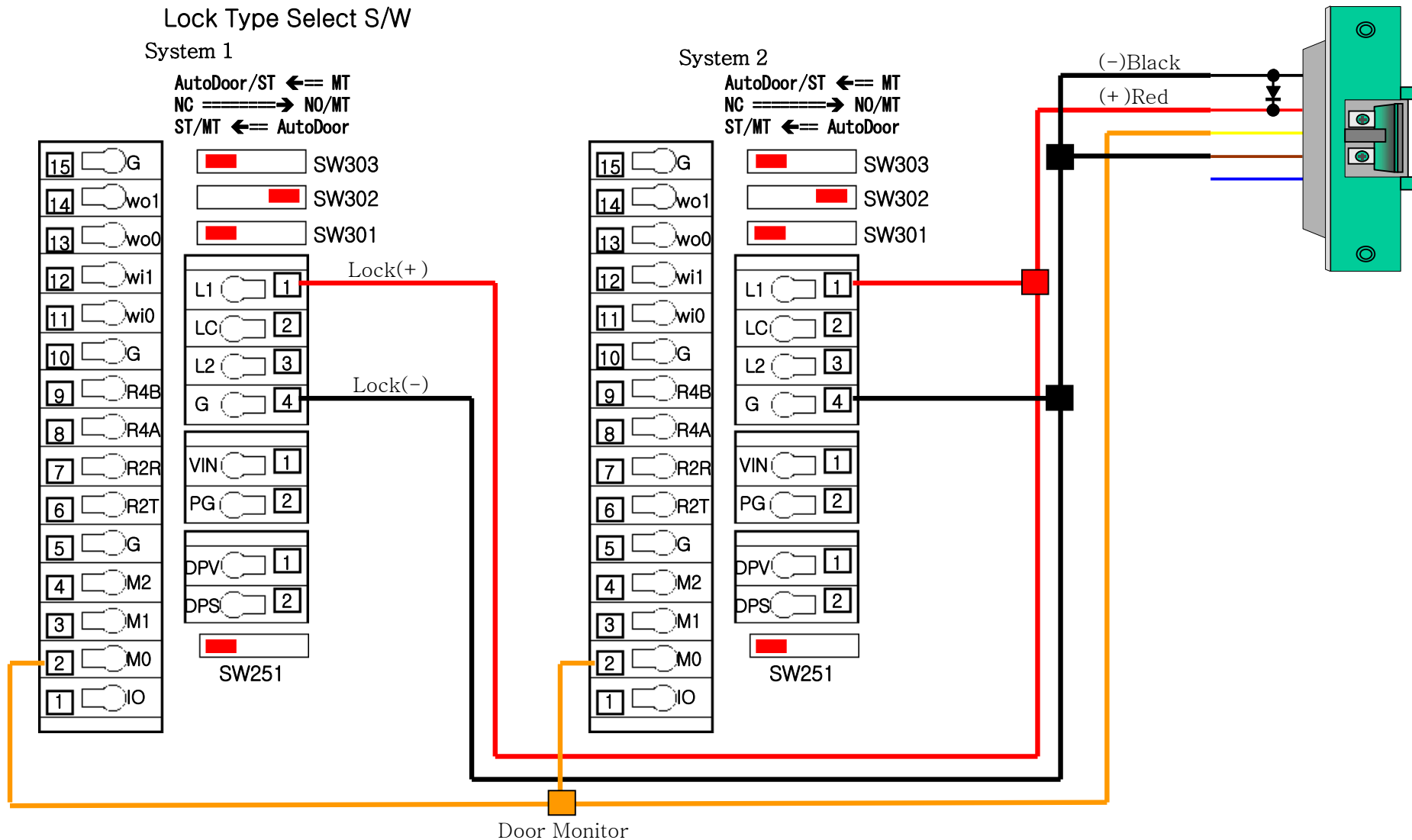
# 10. Connecting Strike Type Door Lock (Fail Secure)

## 10.1. Connect with One system/ One Lock



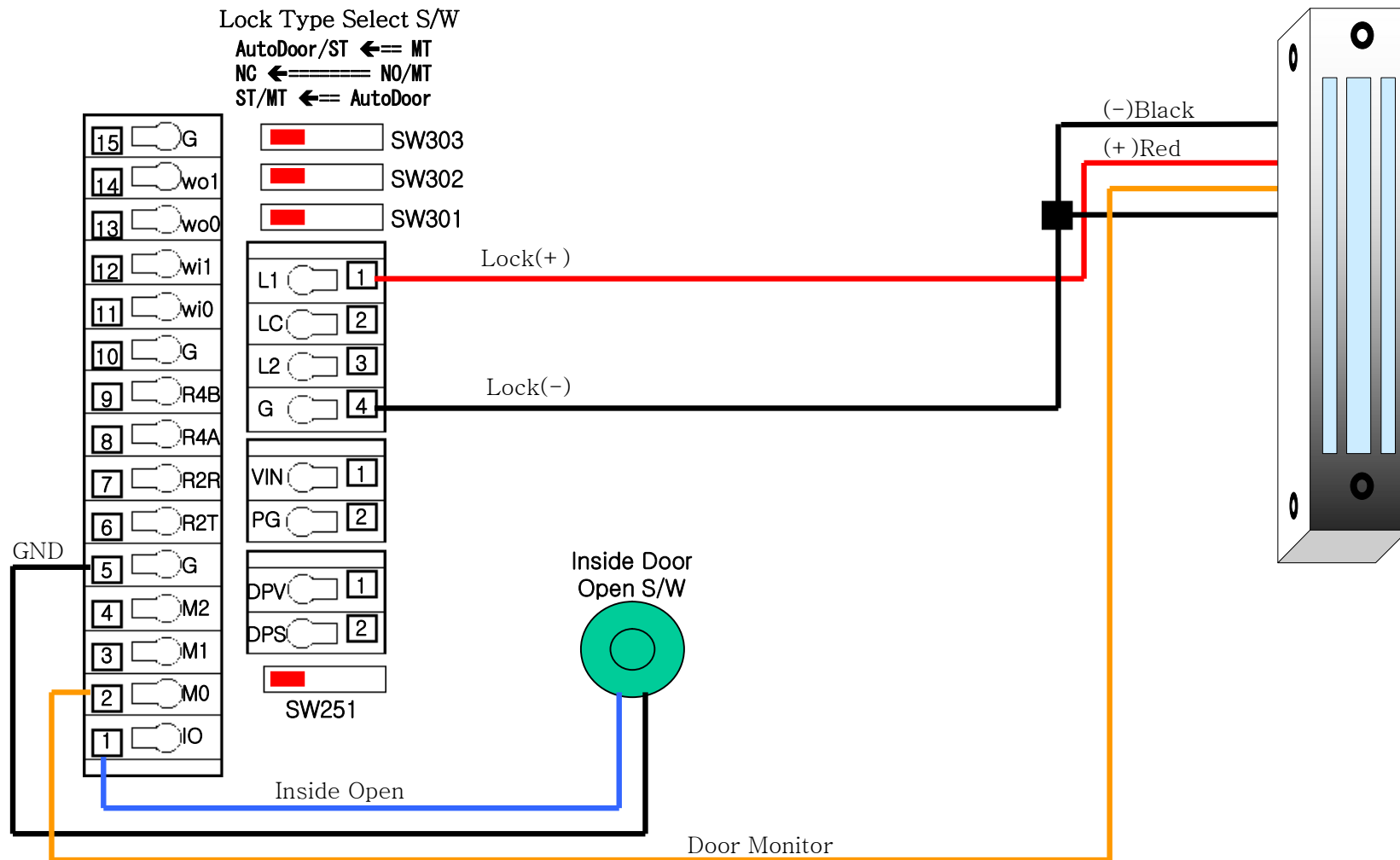
# 10. Connecting Strike Type Door Lock (Fail Secure)

## 10.2. Connect with Two systems/ One Lock



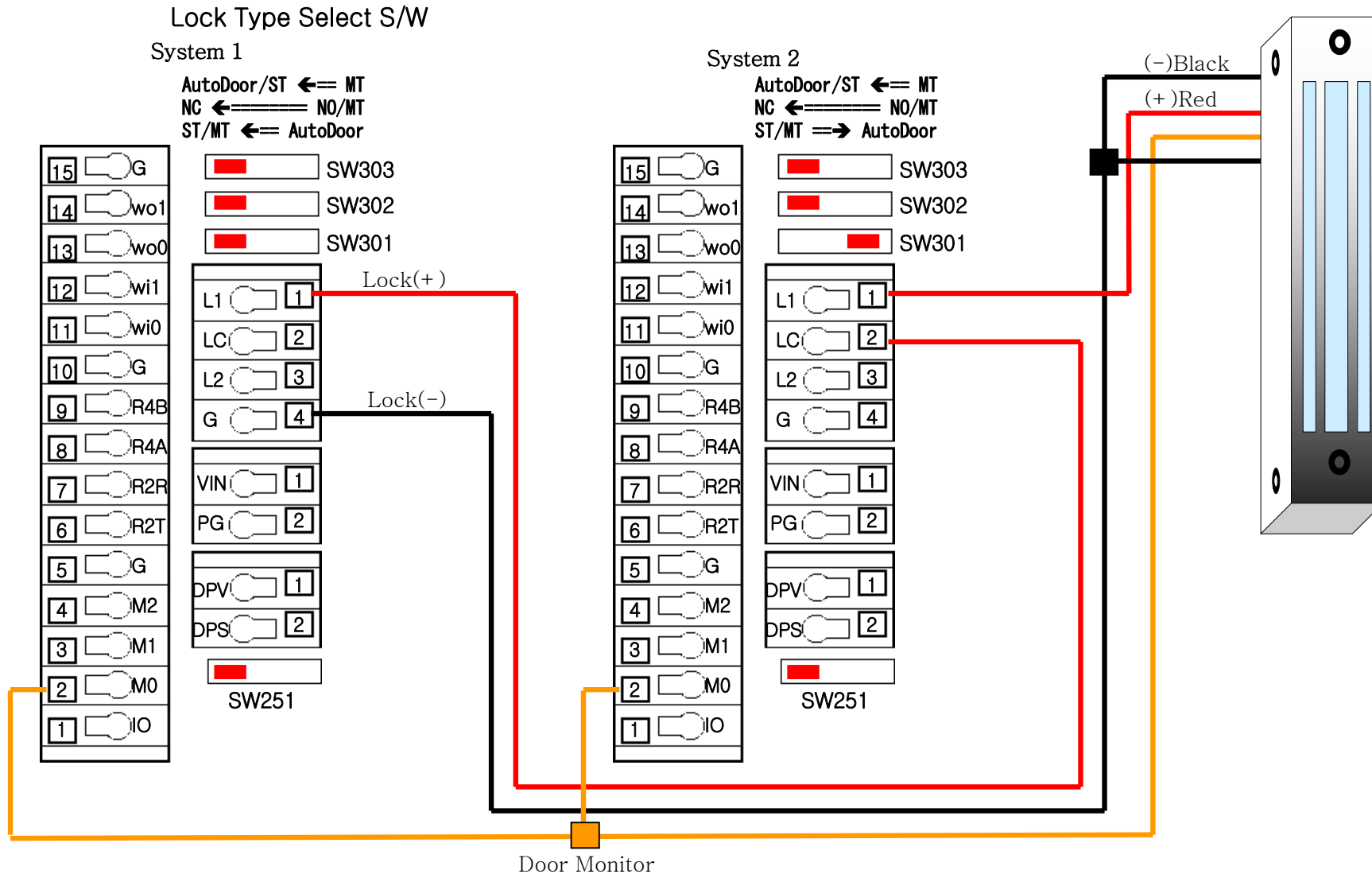
# 11. Connecting EM Type Door Lock (Fail Safe)

## 11.1. Connect with One system/ One Lock



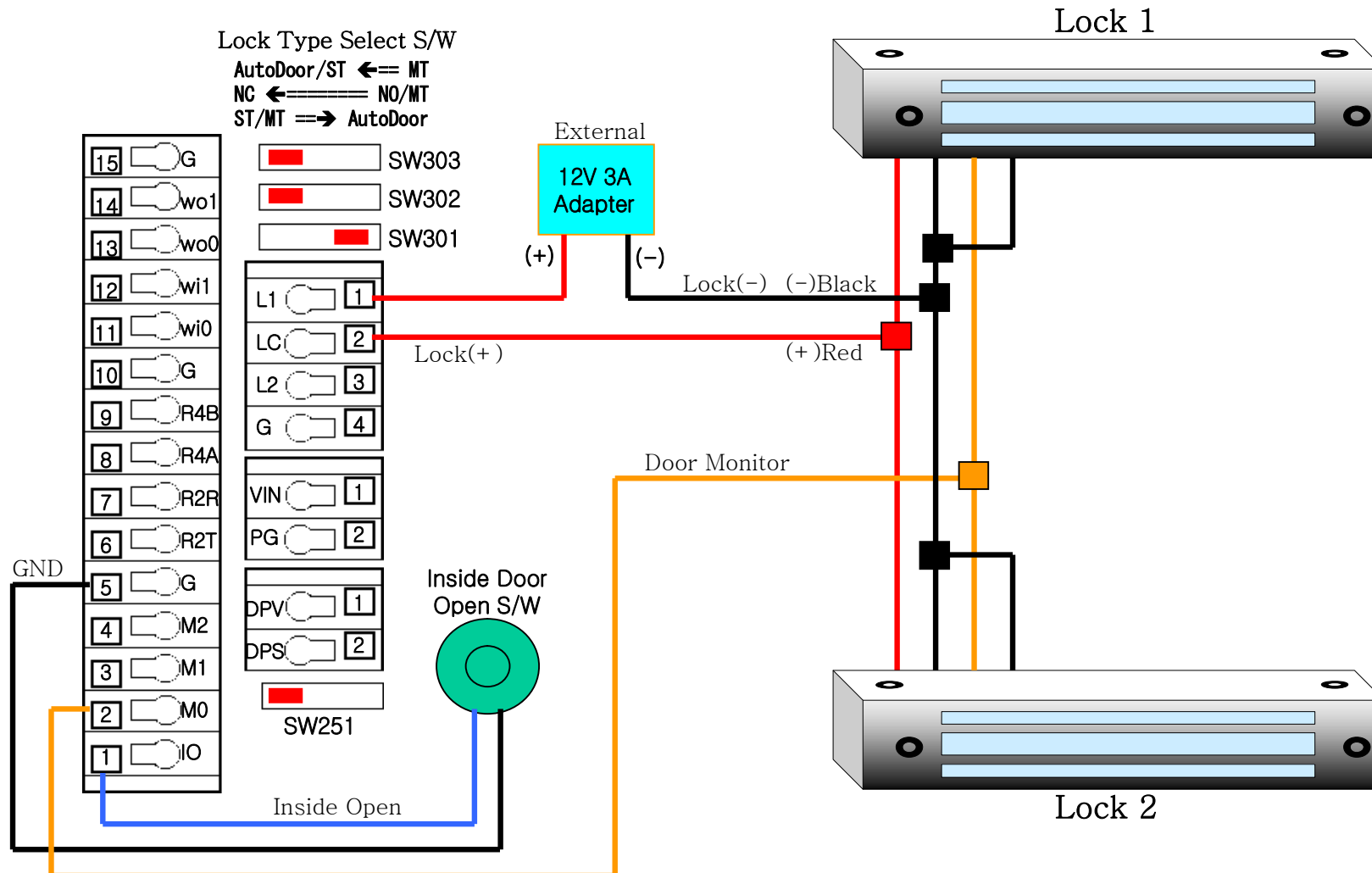
# 11. Connecting EM Type Door Lock(Fail Safe)

## 11.2. Connect with Two System/ One Lock



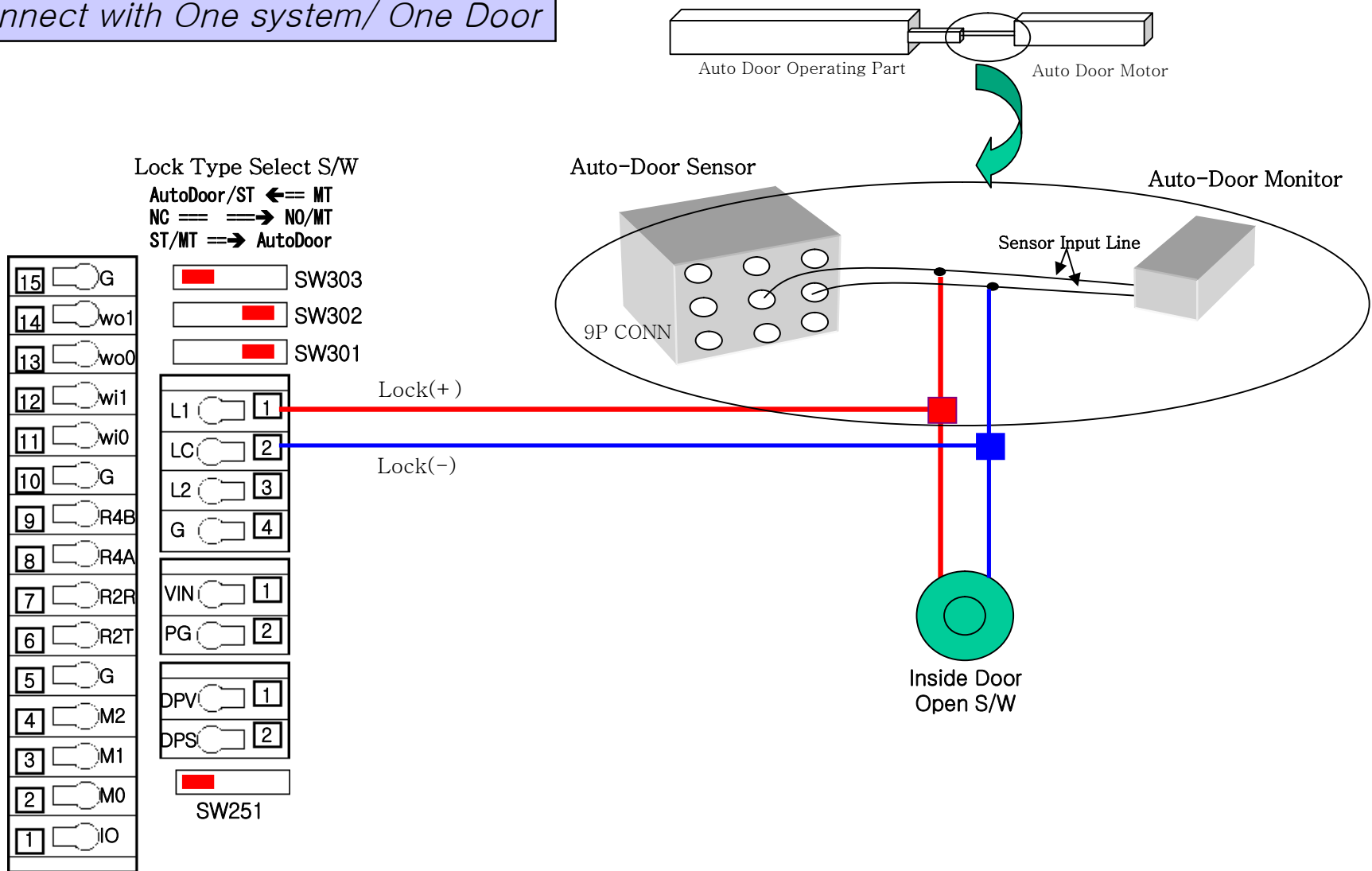
# 11. Connecting EM Type Door Lock (Fail Safe)

11.3. Connect with One system/ Two Locks \*\* Use external DC Power adapter



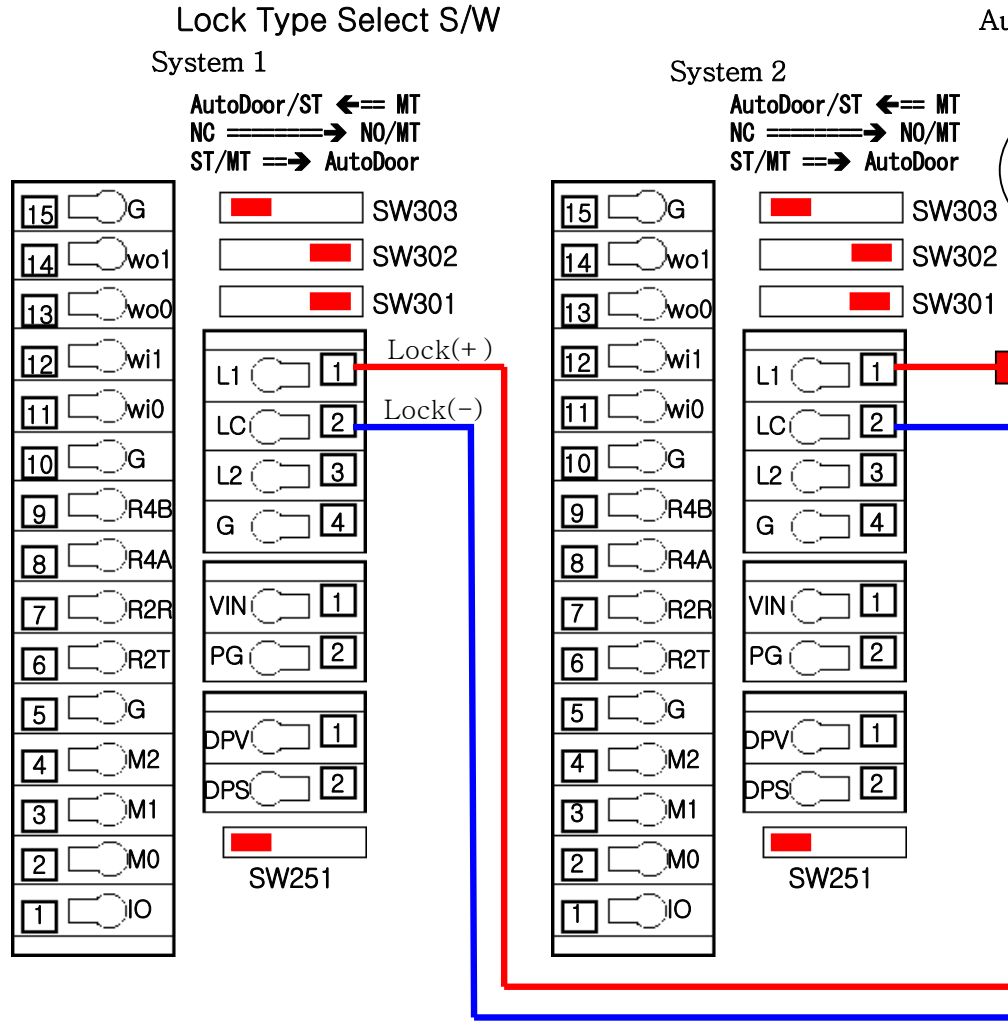
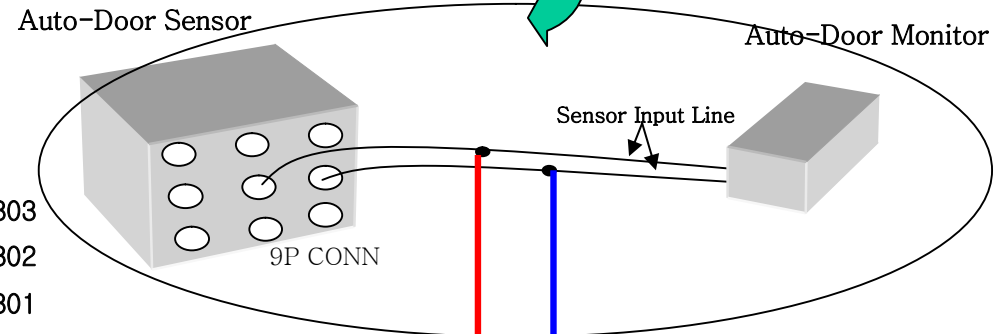
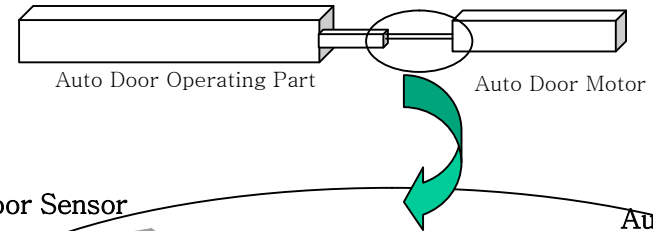
# 12. Connecting Auto-Door (Contact Control)

## 12.1. Connect with One system/ One Door

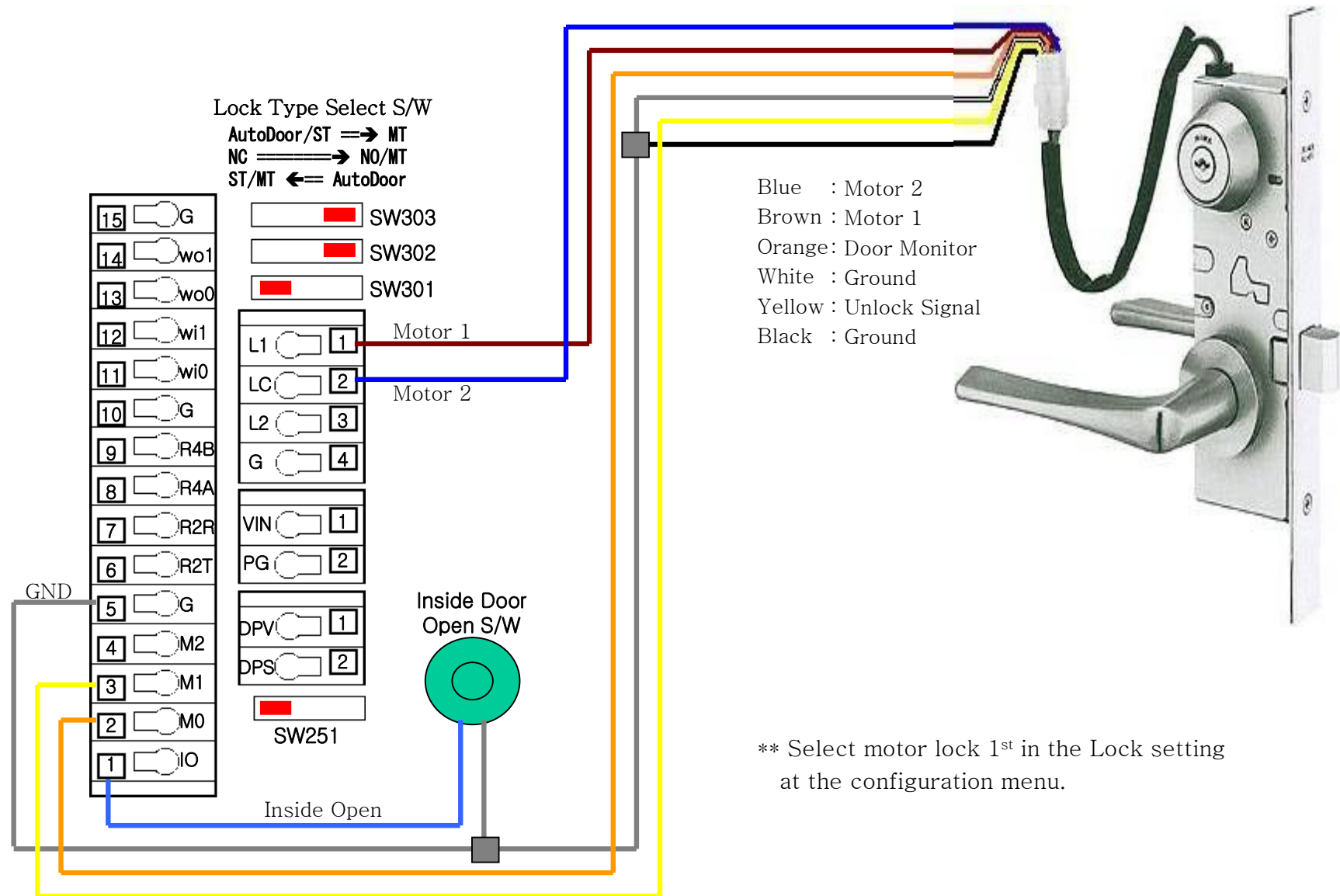


# 12. Connecting Auto-Door (Contact Control)

## 12.2. Connect with Two systems/ One Door



# 13. Connecting Motor Lock



# 14. Connecting 2 Emergency Lamps

