

Installation Guide for UBio-X Pro2 V1.0

Walk Through Face Recognition Terminal



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Doc Ver1.0

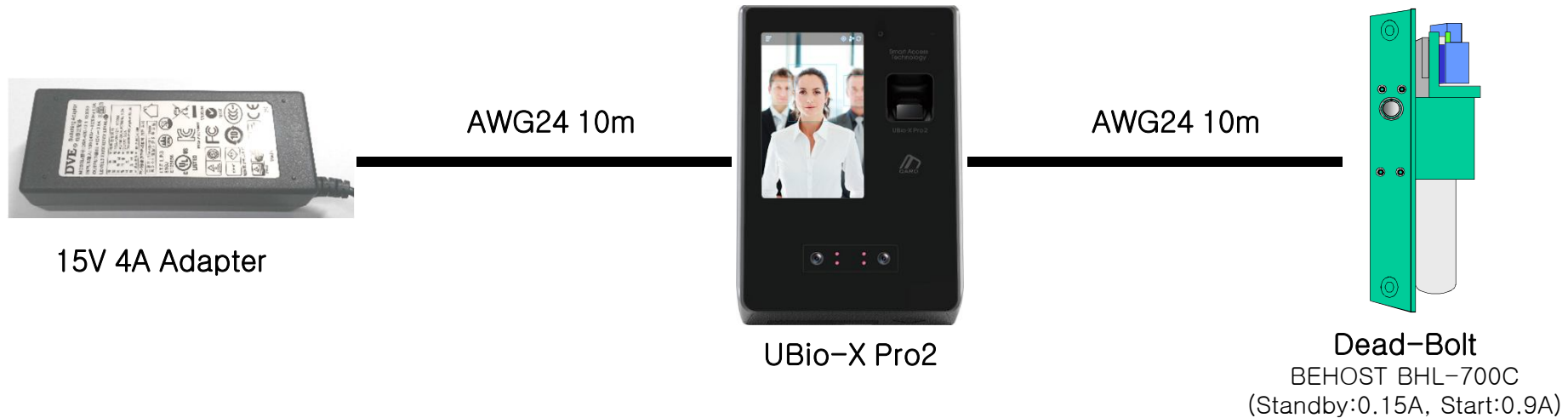
July.,28.2020

R&D Center

Union Community Co., Ltd.

1. The maximum cable length & thickness for installation

1) Using 15V 4A Power Supply & AWG24



2) Using 15V 4A Power Supply & AWG22



* Caution: The above data are the measured values when using the adapters and the dead-bolts provided by the Union Community.

1. The maximum cable length & thickness for installation

1) Using 15V 4A Power Supply & AWG20



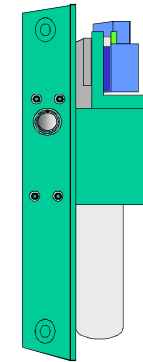
15V 4A Adapter

AWG20 40m



UBio-X Pro2

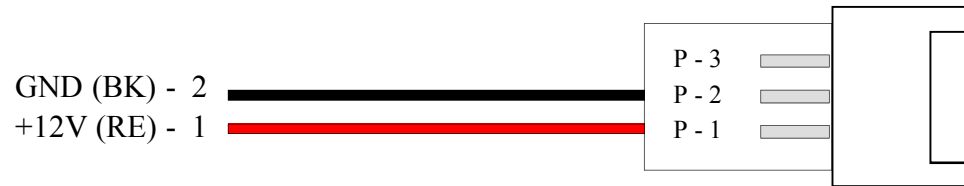
AWG20 10m



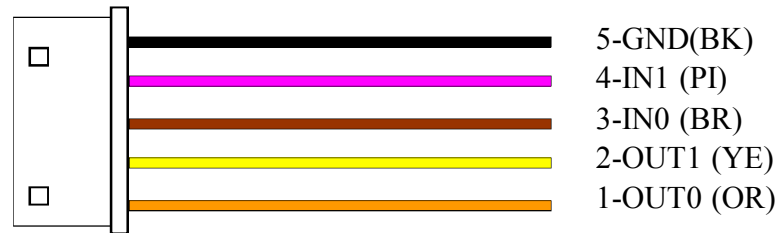
Dead-Bolt
BEHOST BHL-700C
(Standby:0.15A, Start:0.9A)

* Caution: The above data are the measured values when using the adapters and the dead-bolts provided by the Union Community.

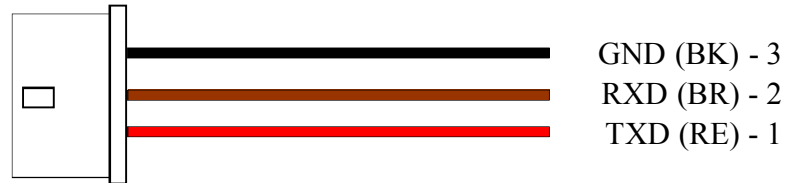
2. Description of External Cables



Power Adapter Cable



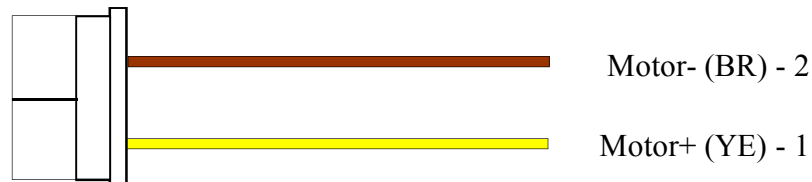
Wiegand Cable (5P)



RS232 Cable (3P)

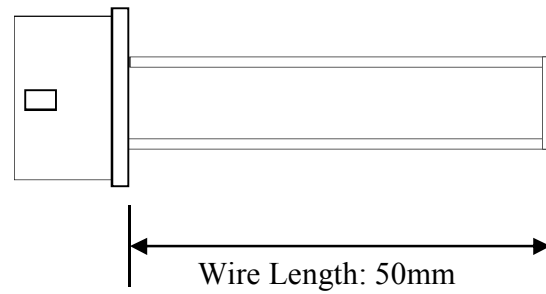


Lock Status Cable (5P)



Motor Lock Cable (2P)

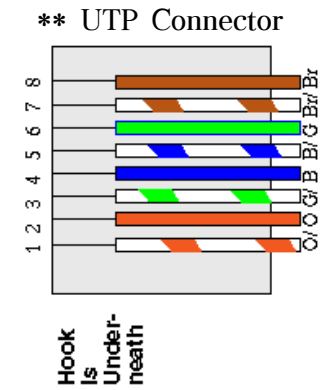
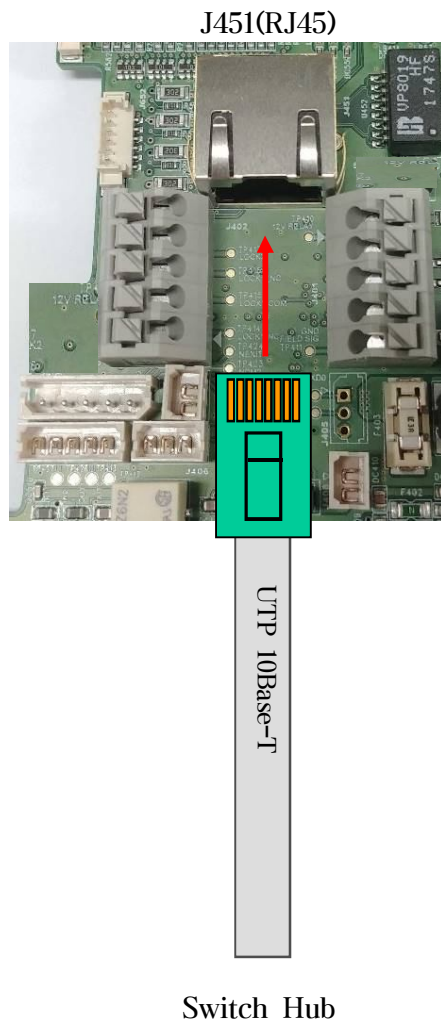
2. Description of External Cables



Lock1 Out(WH) - 2
+12V (WH) - 1

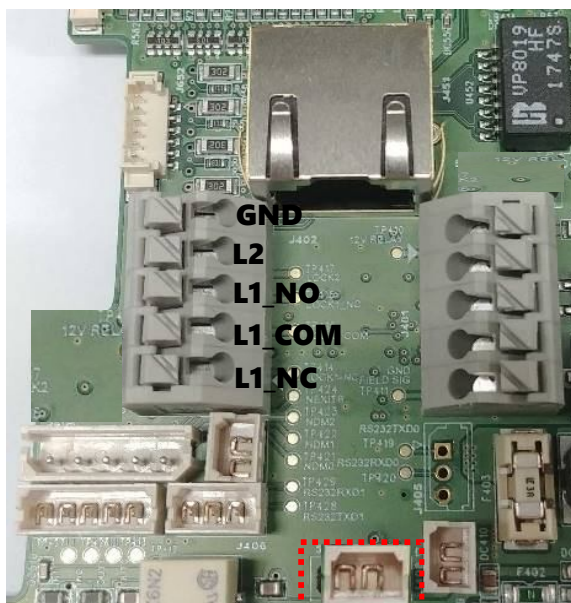
Lock1 Power Cable (2P)

3. Connecting Ethernet (LAN) Cable

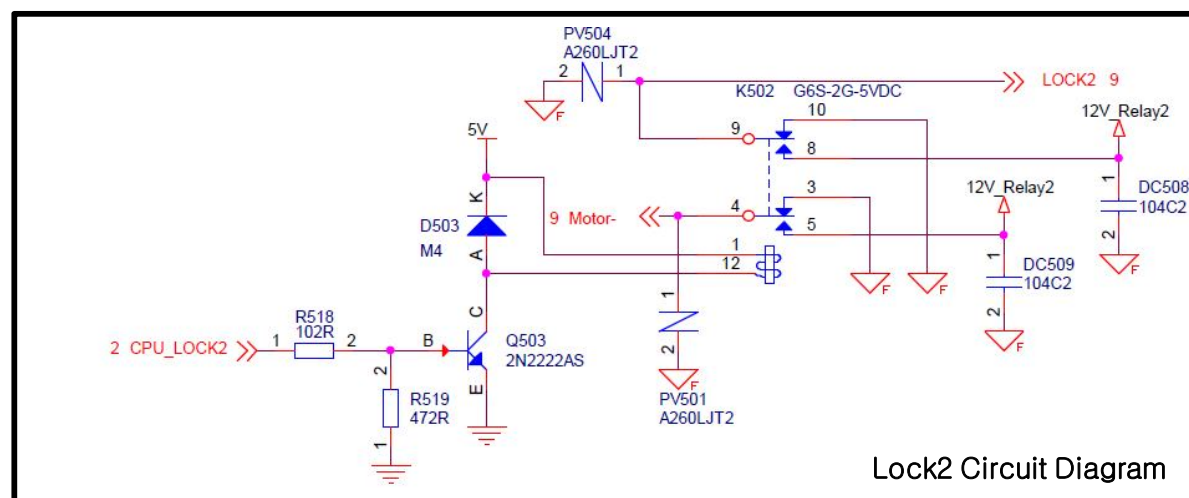
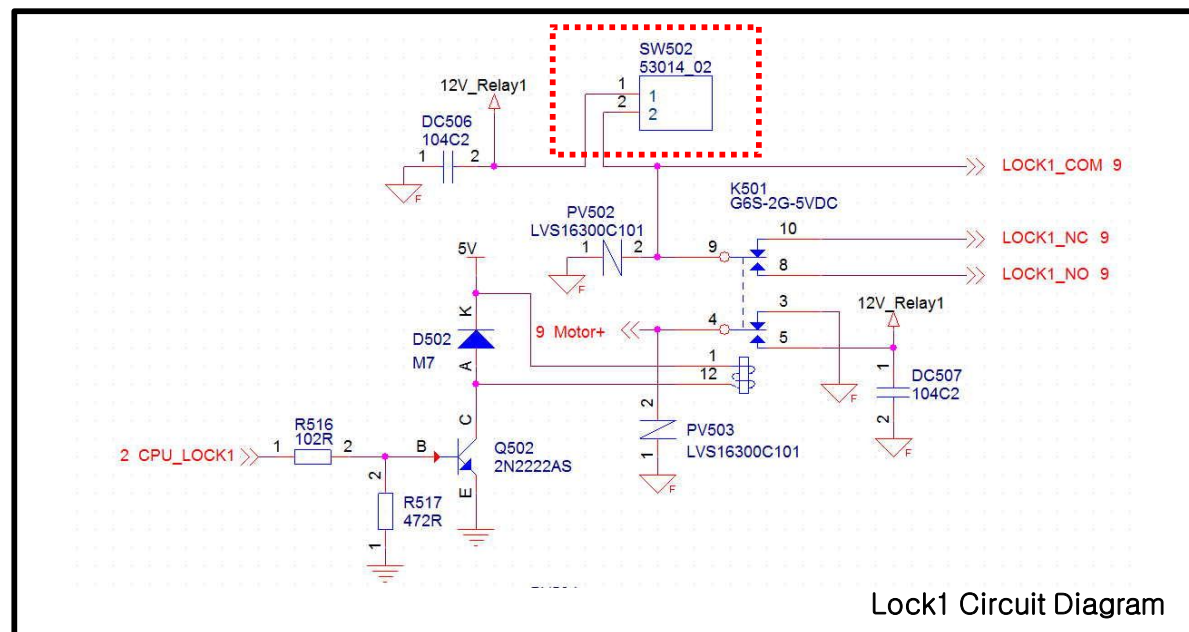


4. Description of the switch for setting lock

SW502
Lock1 Power OFF(Cut) ↔ Lock1 Power ON(Connect)



SW502

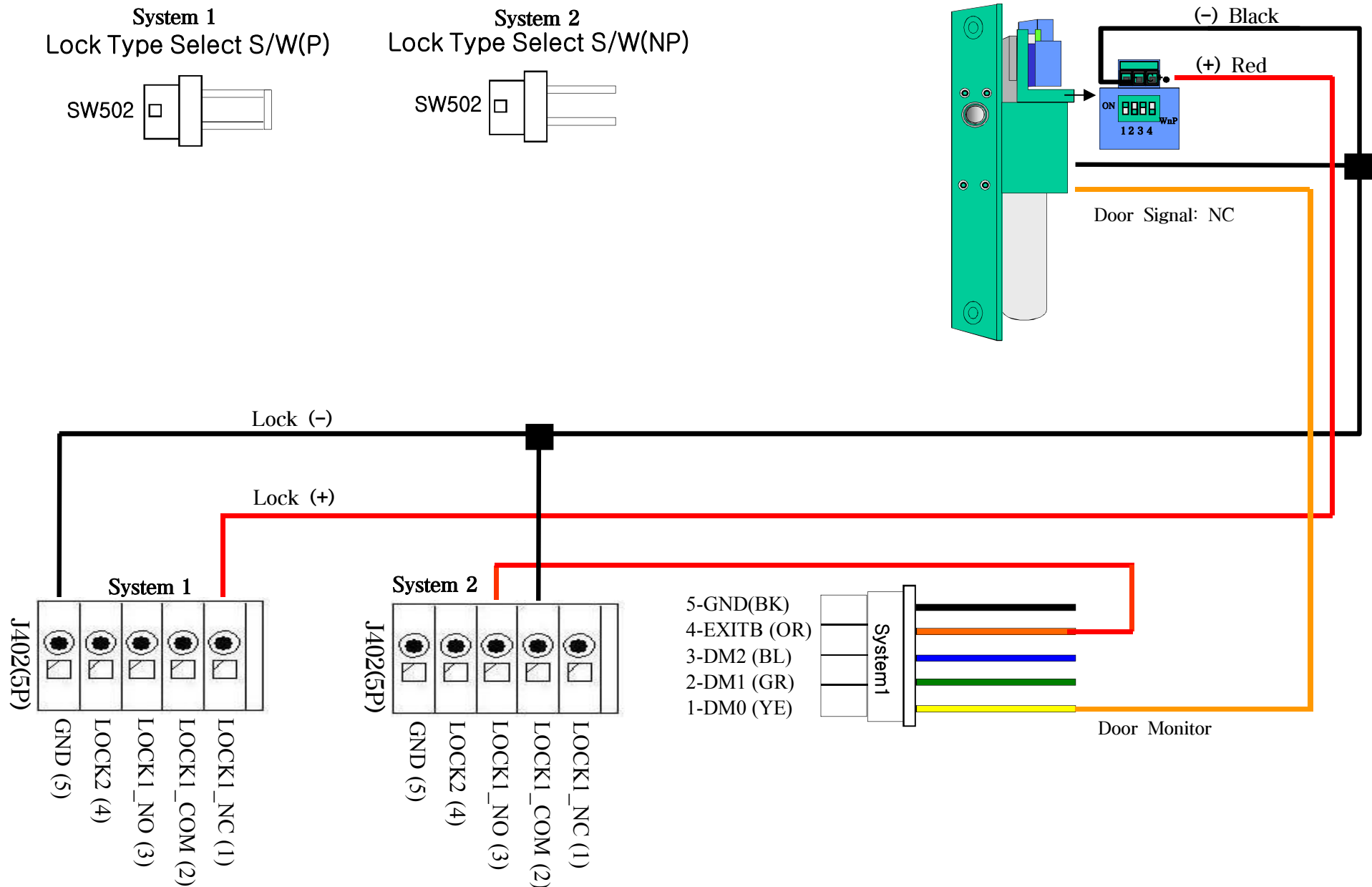


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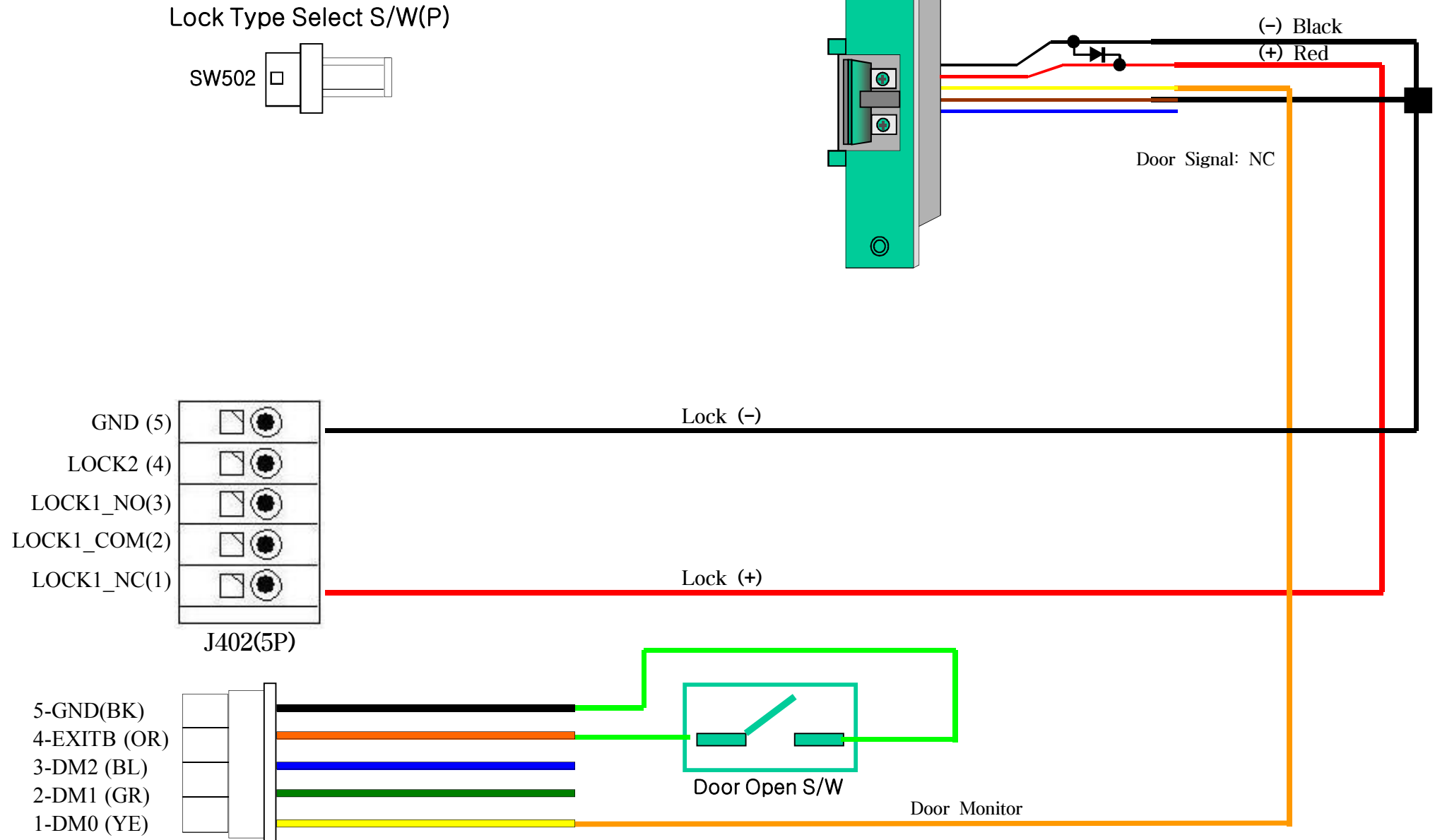
5. Connecting a Dead-Bolt Type Door Lock (Fail Safe)

5.2. Connecting Two Systems/ One Lock



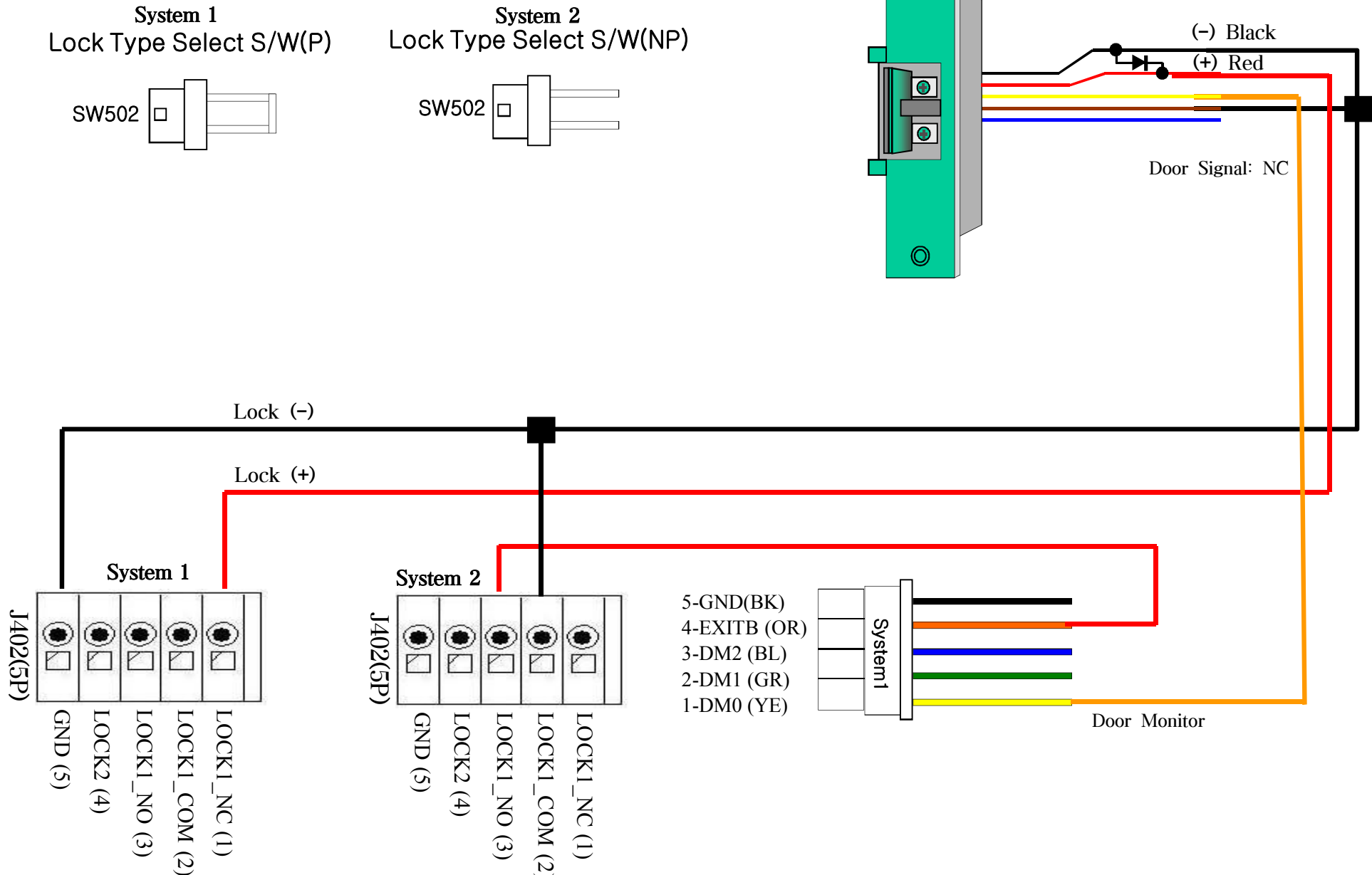
6. Connecting a Strike Type Door Lock (Fail Safe)

6.1. Connecting One System/ One Lock



6. Connecting a Strike Type Door Lock (Fail Safe)

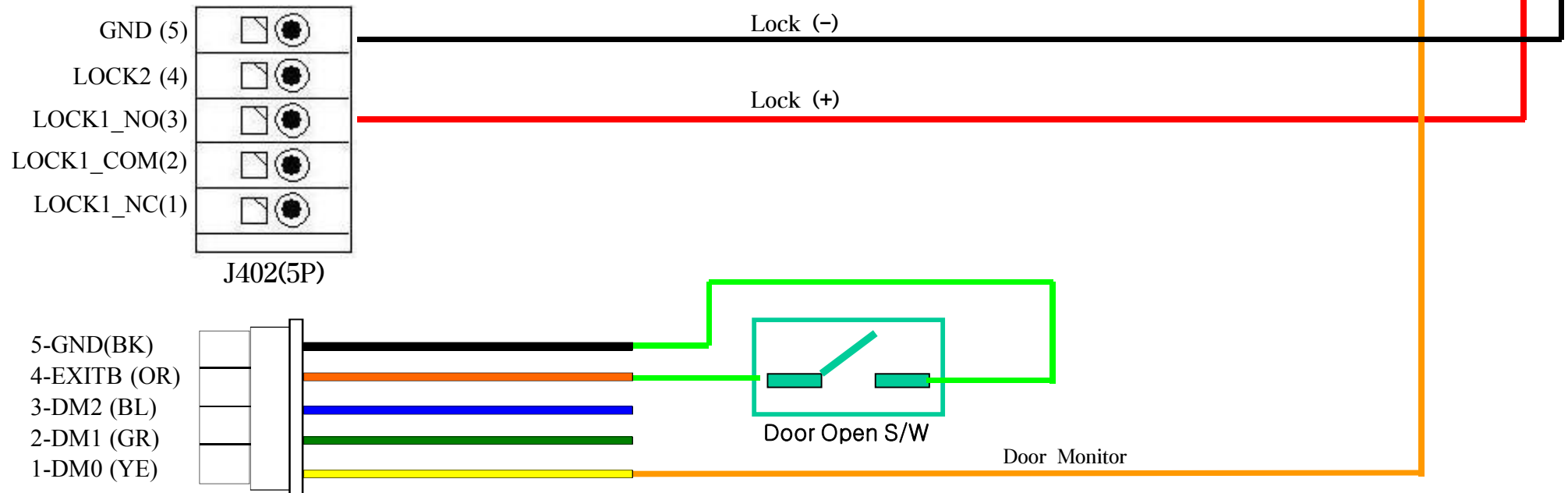
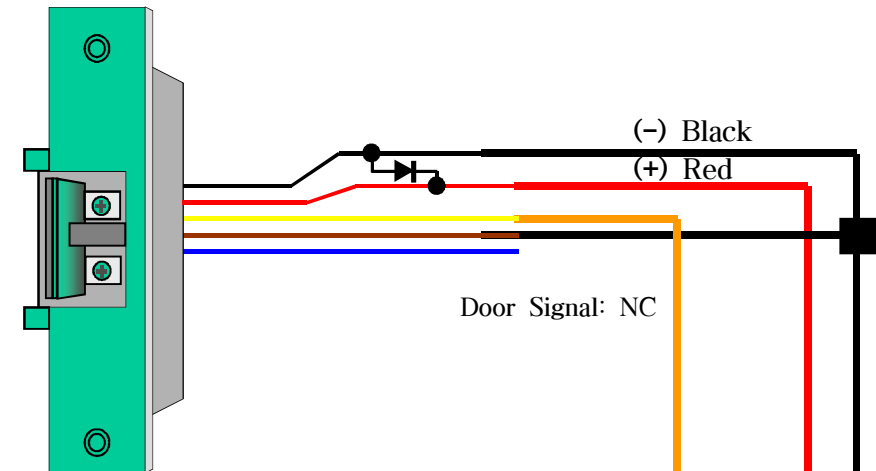
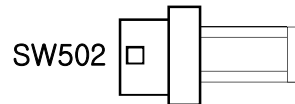
6.2. Connecting Two Systems/ One Lock



7. Connecting a Strike Type Door Lock (Fail Secure)

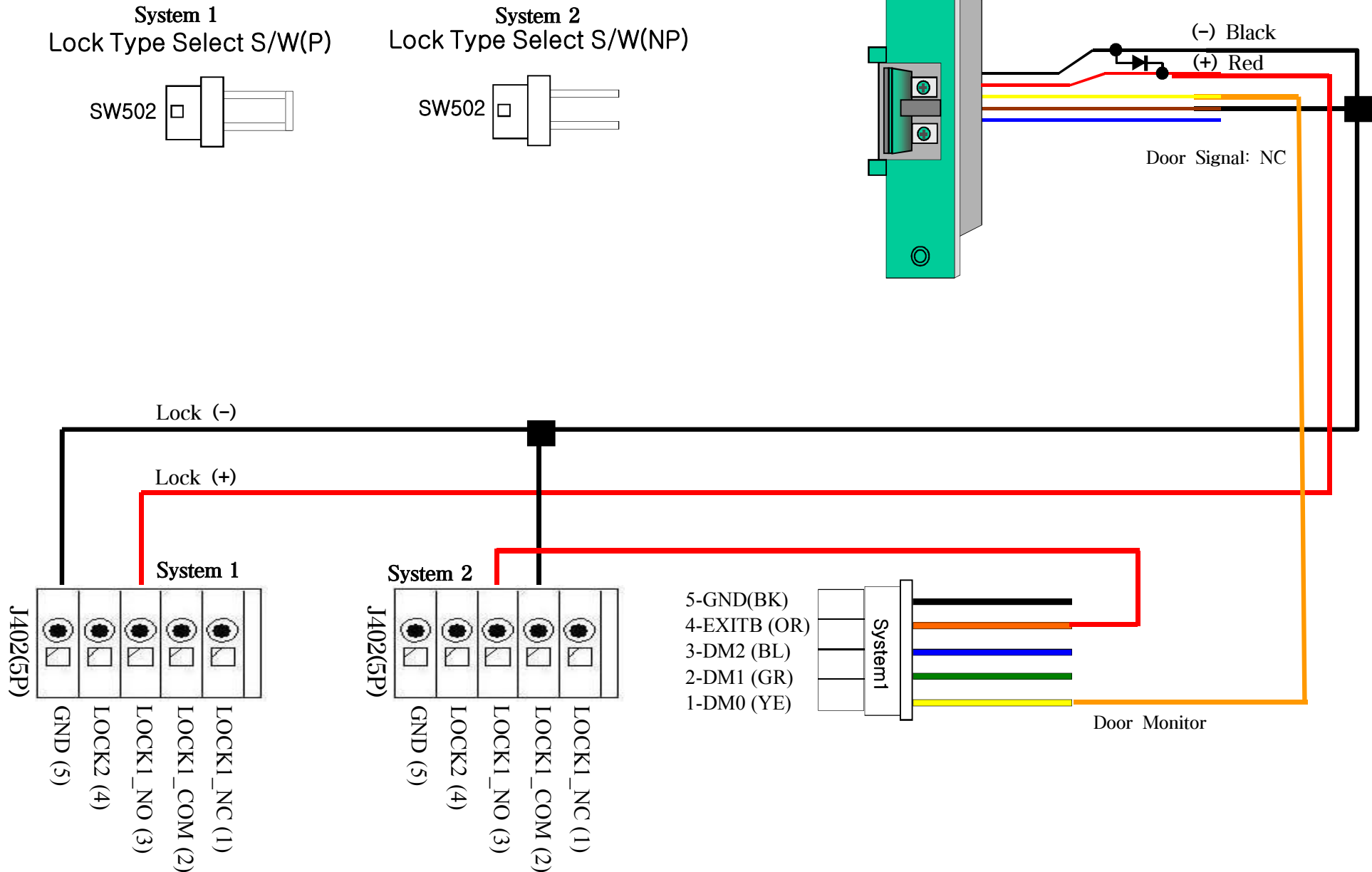
7.1. Connecting One System/ One Lock

Lock Type Select S/W(P)



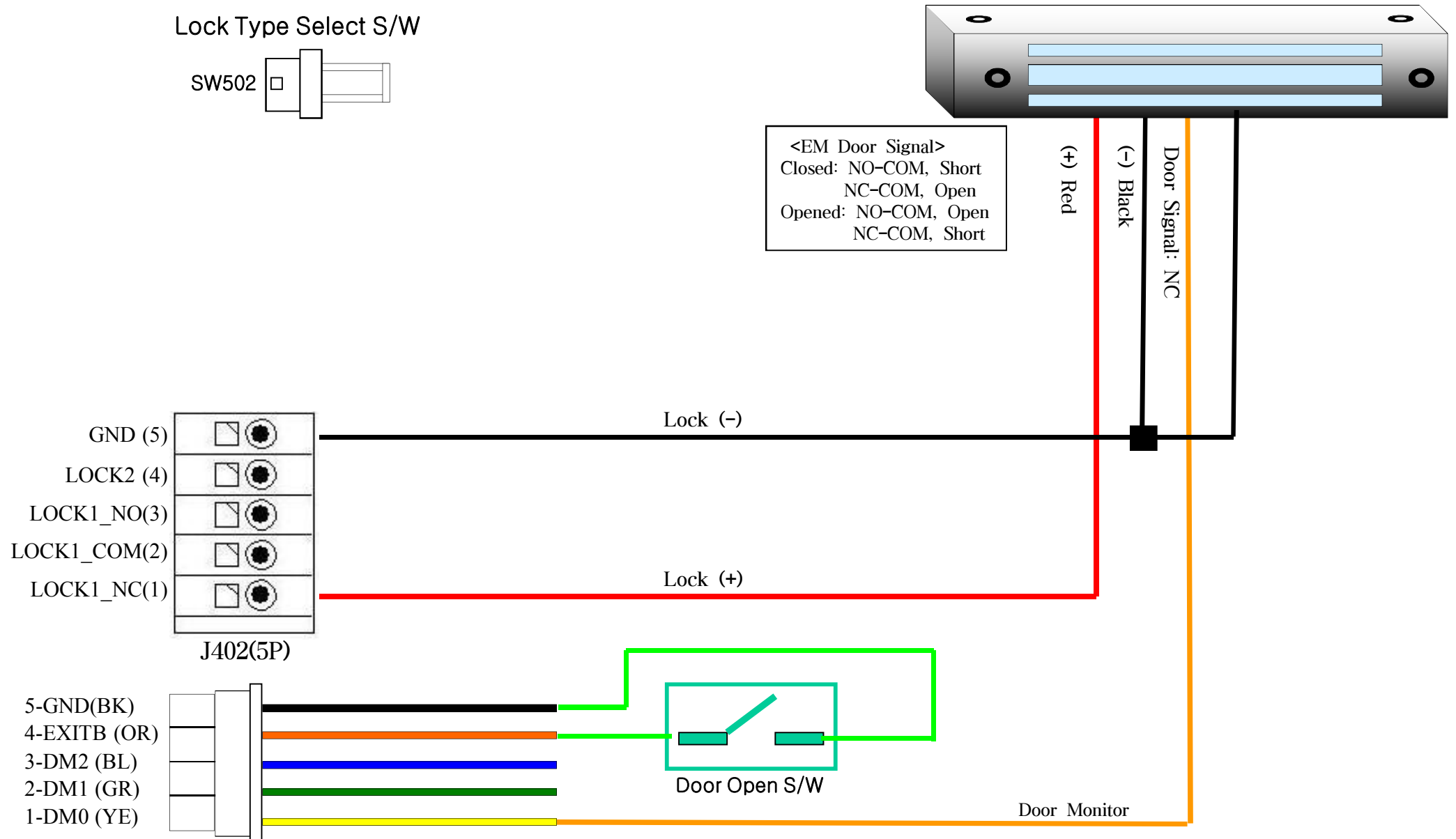
7. Connecting a Strike Type Door Lock (Fail Secure)

7.2. Connecting Two Systems/ One Lock



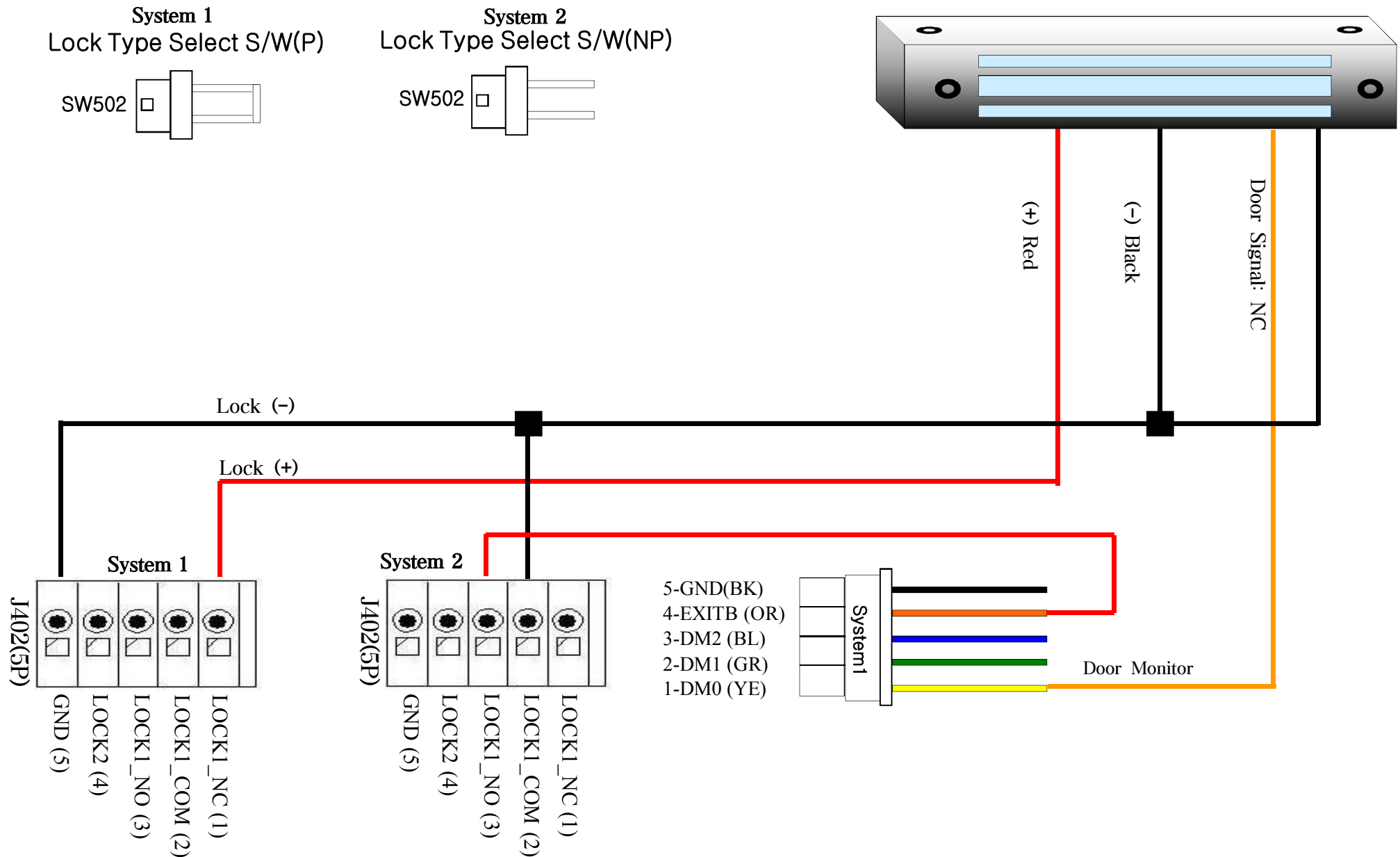
8. Connecting an EM Type Door Lock (Fail Safe)

8.1. Connecting One System/ One Lock



8. Connecting an EM Type Door Lock (Fail Safe)

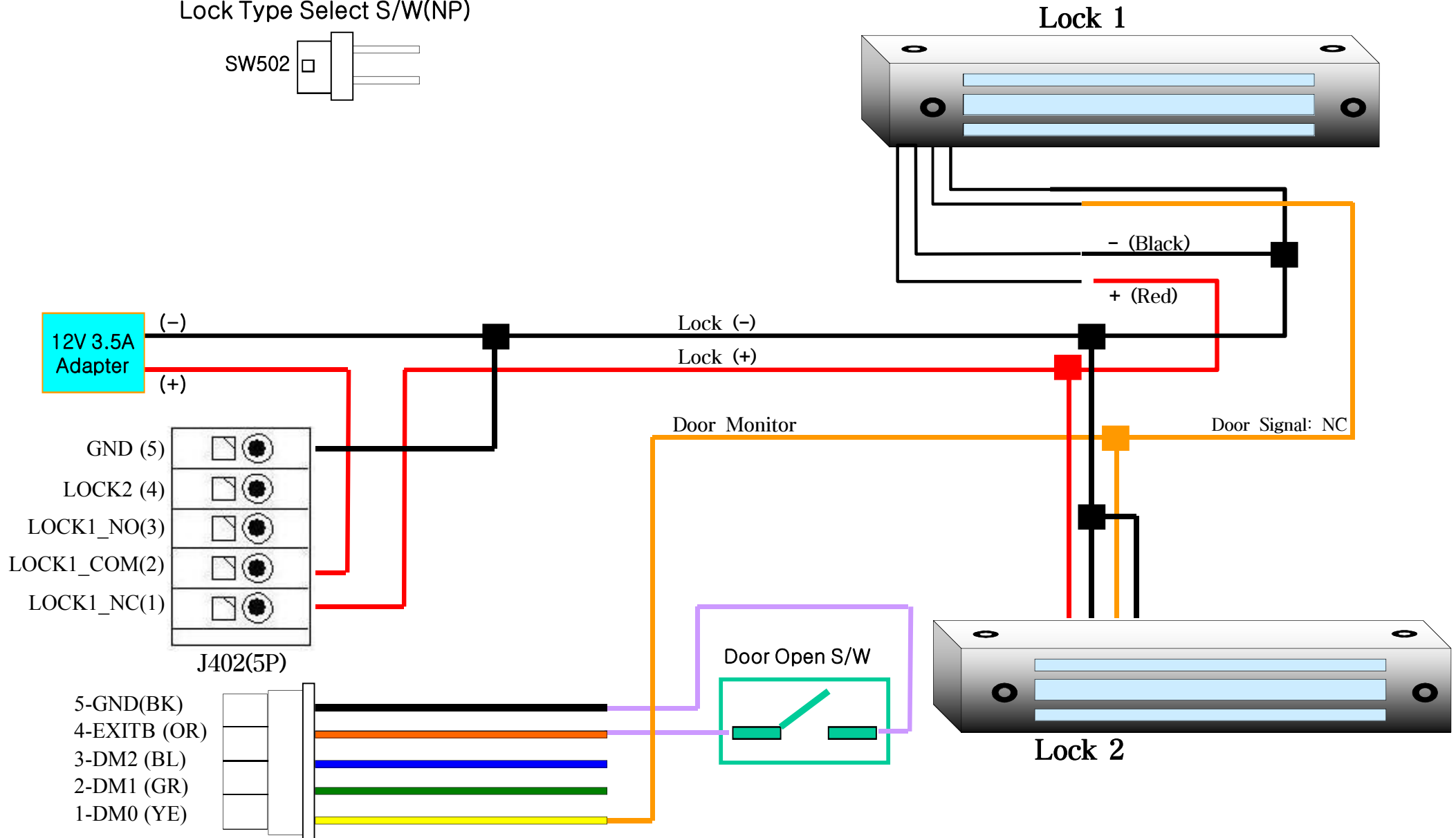
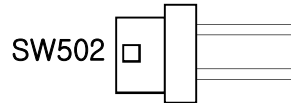
8.2. Connecting Two Systems/ One Lock



8. Connecting an EM Type Door Lock (Fail Safe)

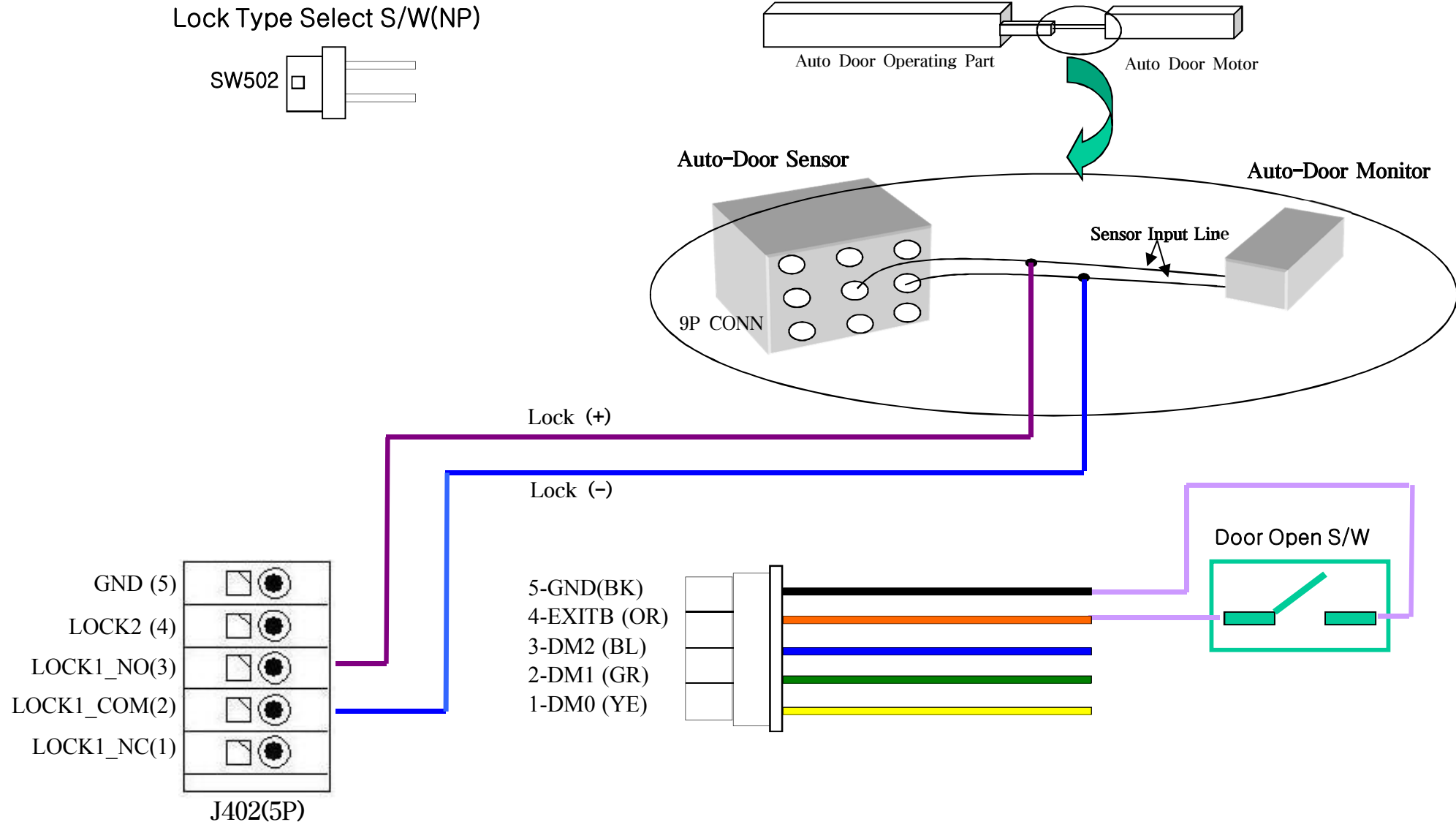
8.3. Connecting One System/ Two Locks “Use external DC Power adapter”

Lock Type Select S/W(NP)



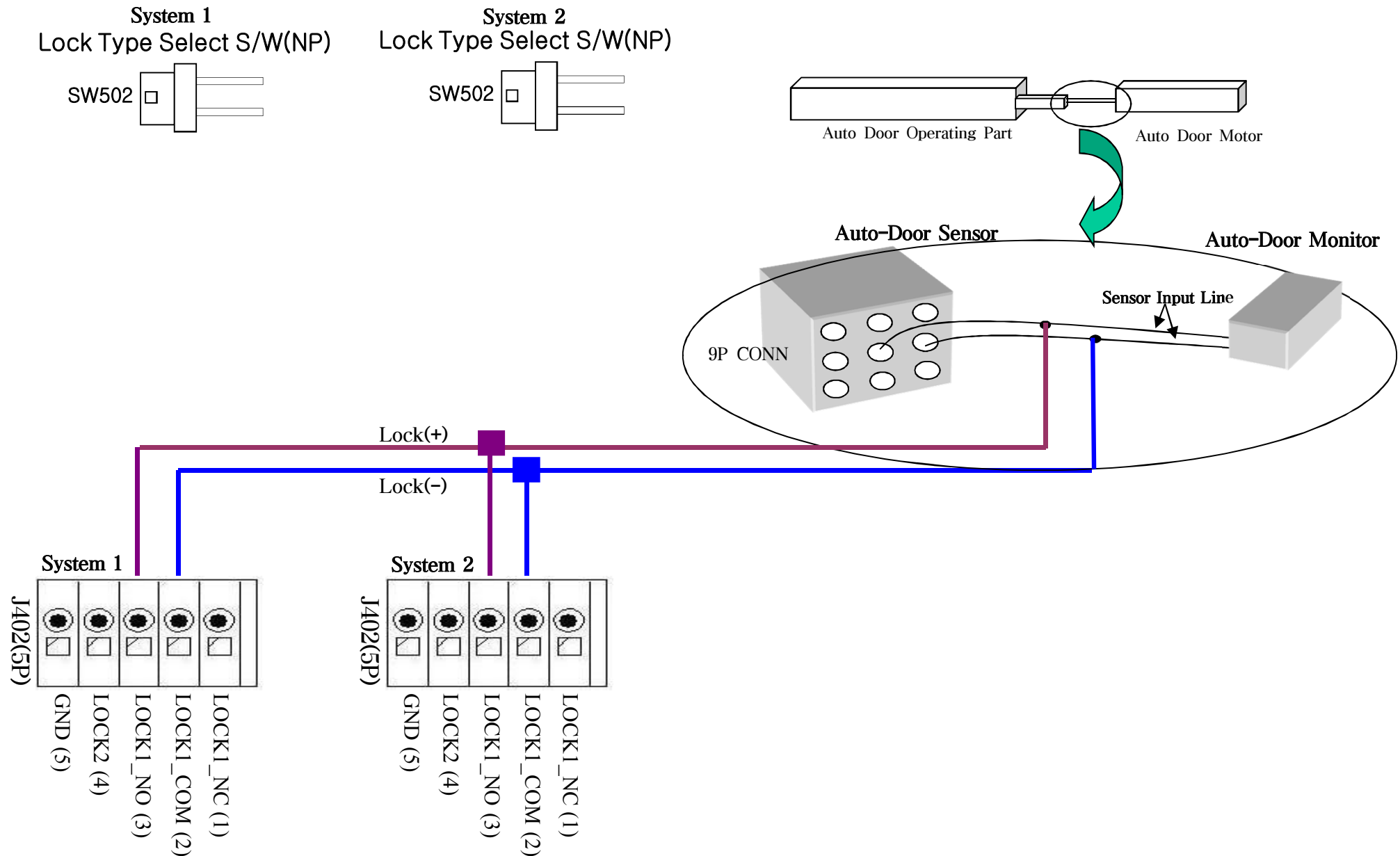
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9.1. Connecting One System/ One Door

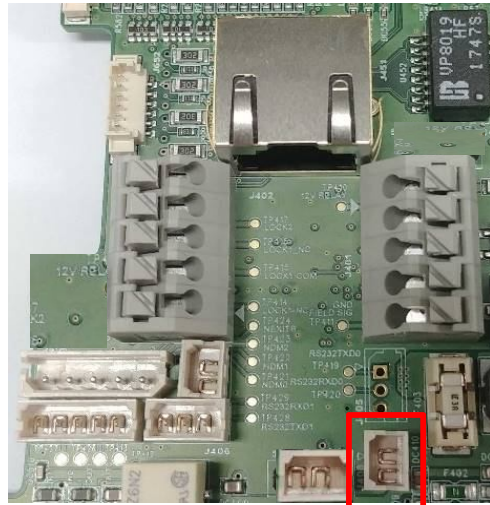


9. Connecting Auto-Door (Contact Control)

9.2. Connecting Two Systems/ One Door

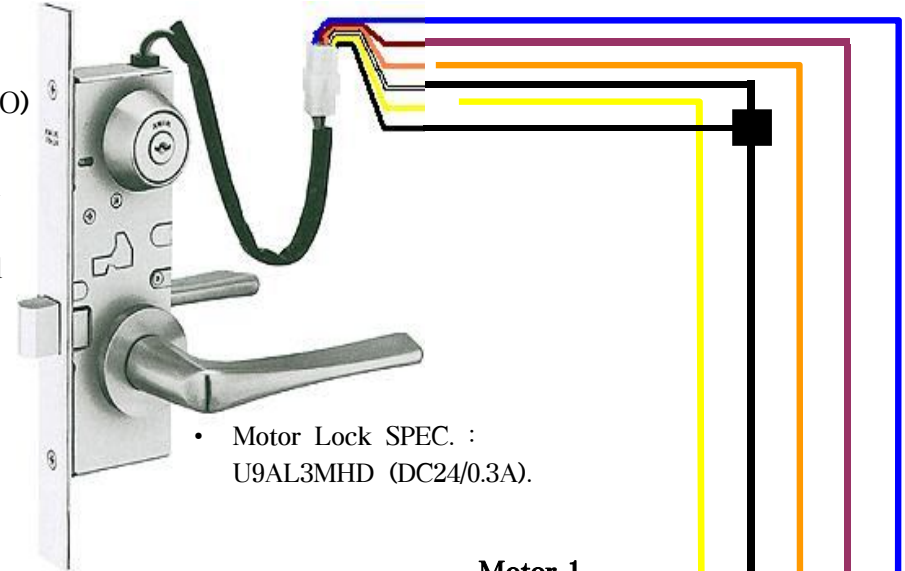


10. Connecting a Motorised Lock

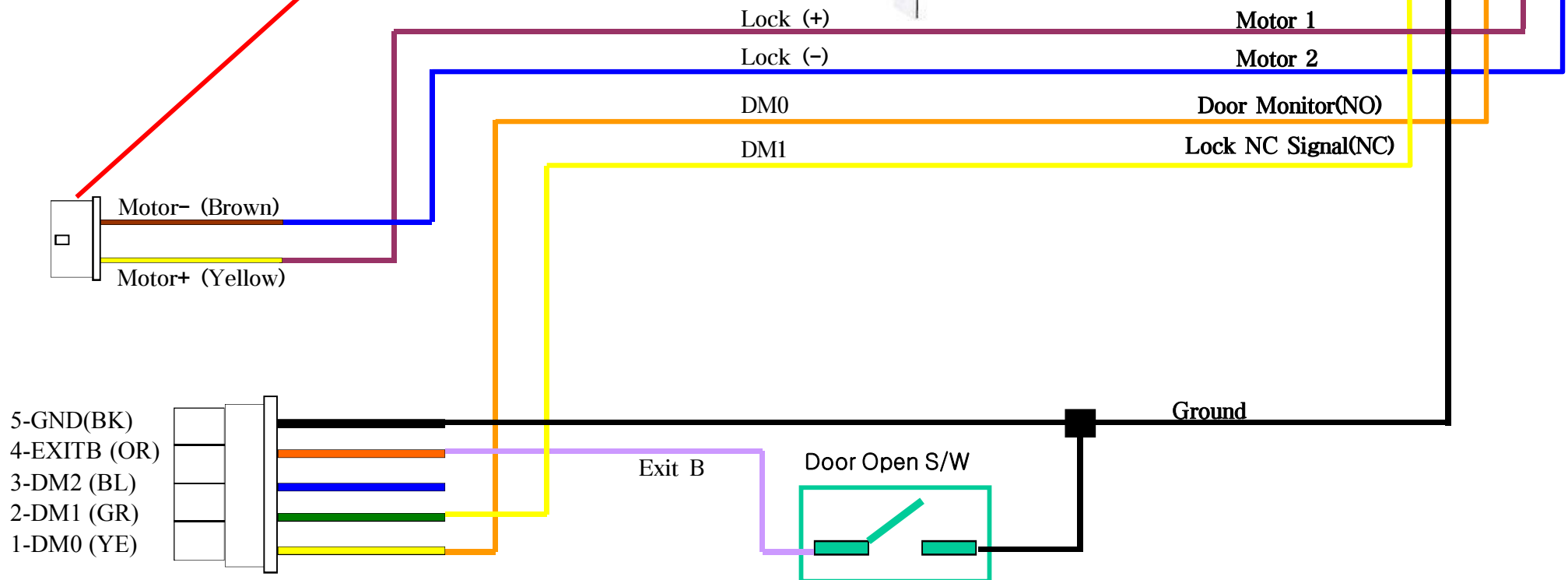


J408

- Blue : Motor 2
- Brown : Motor 1
- Orange : Door Monitor(NO)
- White : Ground
- Yellow : Lock NC Signal
- Black : Ground
- Red : Lock NO Signal

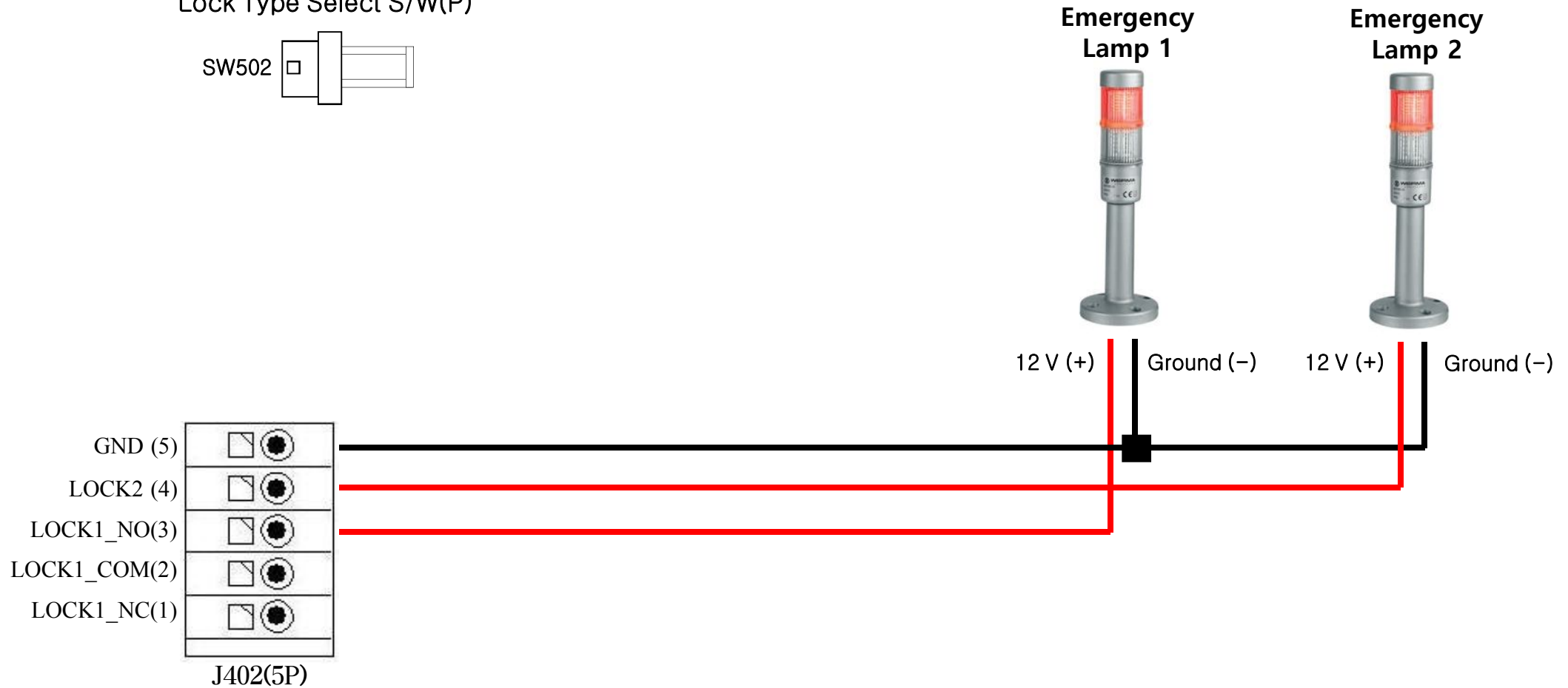
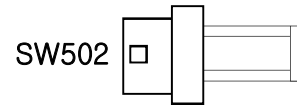


• Motor Lock SPEC. :
U9AL3MHD (DC24/0.3A).



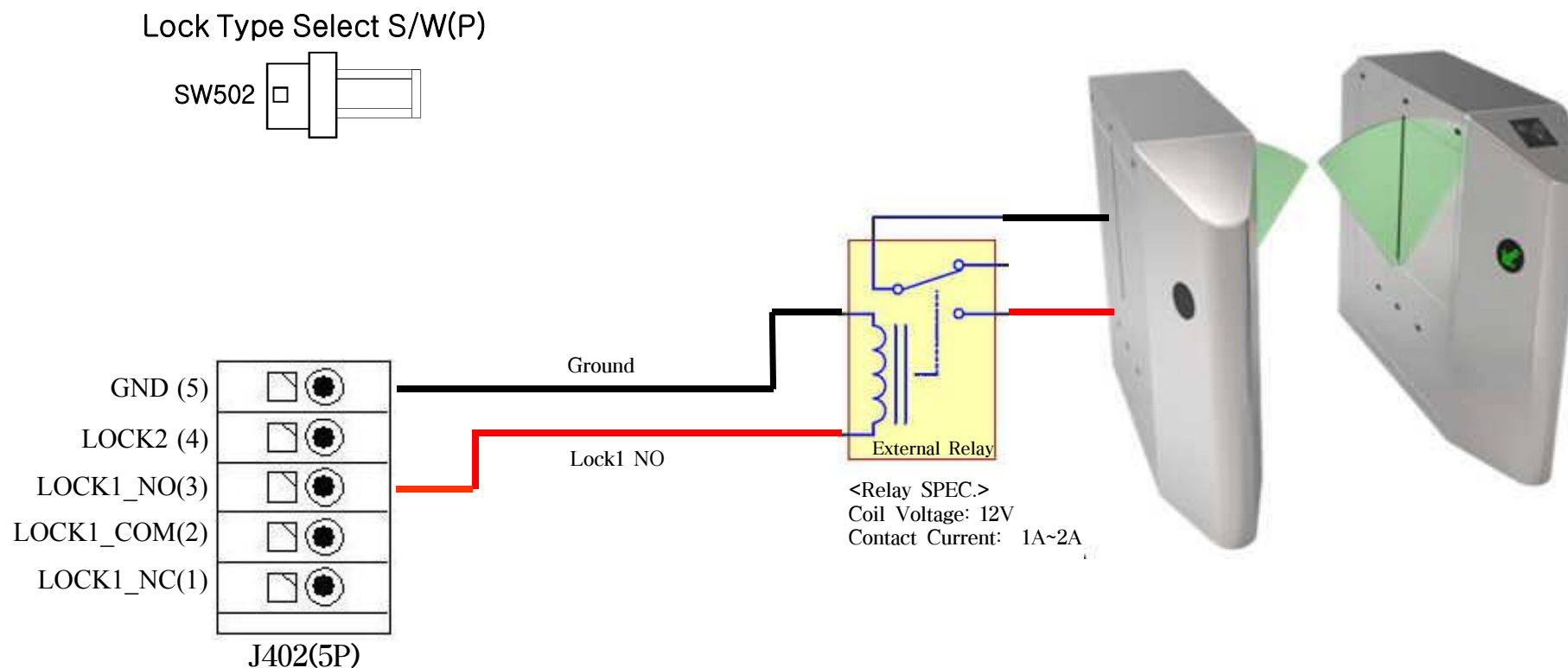
11. Connecting Two Emergency Lamps

Lock Type Select S/W(P)



12.1 How to connect an external relay

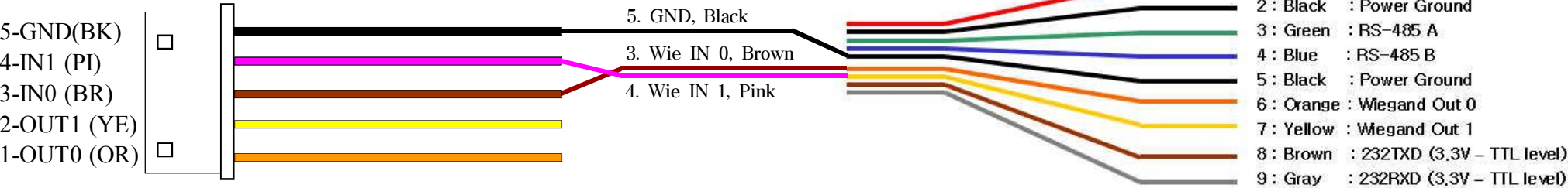
** It is recommended to connect an external relay if a problem occurs after connection with an external equipment such as a speed gate.



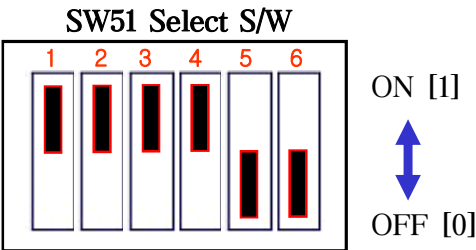
12.2 How to connect the VS-R20D RF Dummy Card Reader



Wiegand Cable (5P)



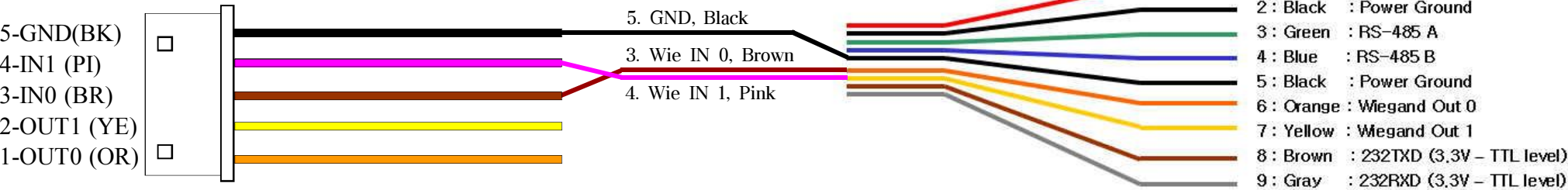
12.3 How to connect the VS-R20D SC Dummy Card Reader



- * 1, 2, 3 ON: 34Bit
- * 4 ON: Wiegand Mode



Wiegand Cable (5P)

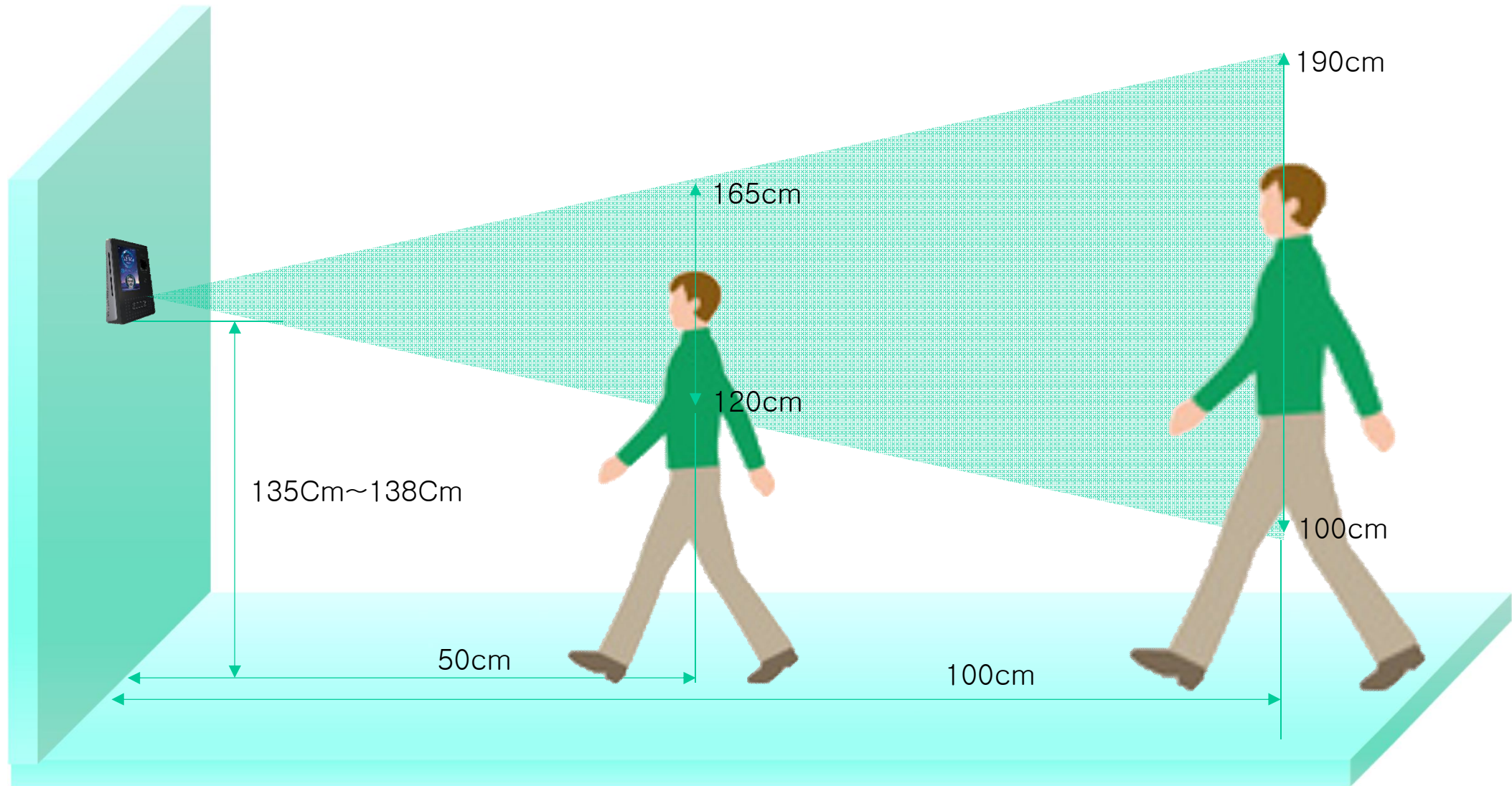


**** Recommend installation guide1 (RF & SC Card)**



- ** In order to prevent RF / SC card antenna interference between products, install at least 10cm apart from each other.
- ** Card recognition distance may be reduced when installed within 10cm.

**** Recommend installation guide 2**



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