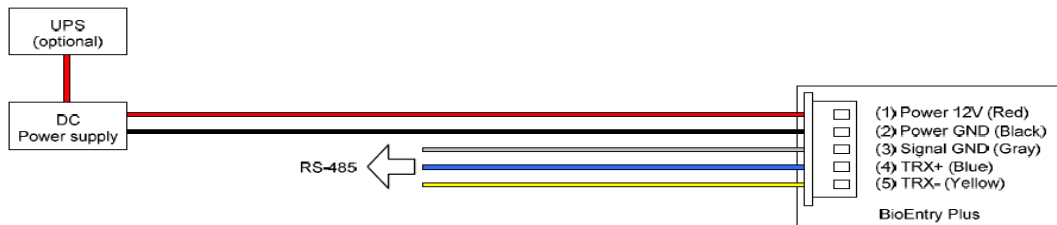


Suprema Inc.

FCC ID : TKWBEP10C

-Operational description-

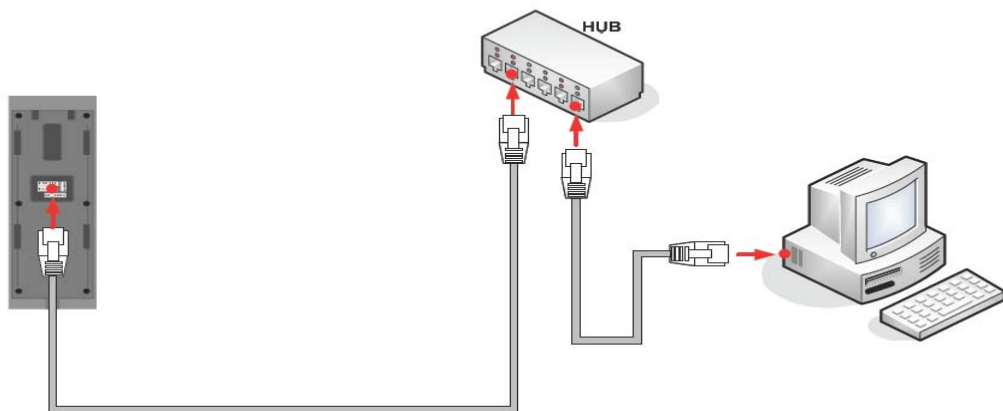
Power Connection



■ Recommended power supply

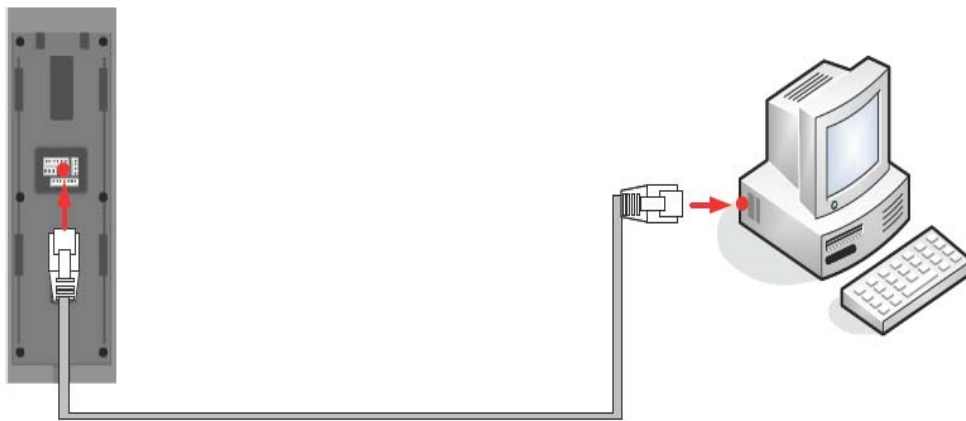
- 12V \pm 10%, at least 1500mA.
- Comply with standard IEC/EN 60950-1.
- To share the power with other devices, use a power supply with higher current ratings.

Ethernet Connection

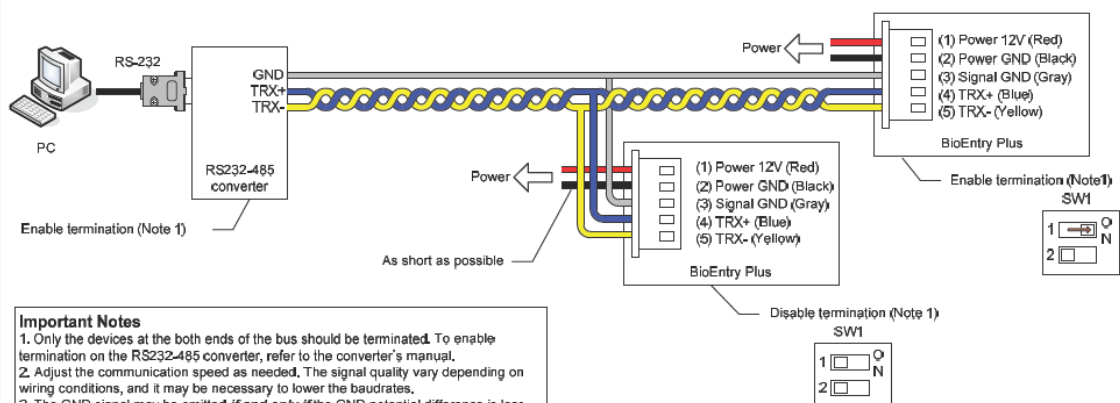


Ethernet Connection (Direct connection with PC)

- To connect BioEntry Plus with a PC directly, connect both devices with a straight CAT-5 cable. As the BioEntry Plus supports auto MDI/MDIX feature, it is not necessary to use a crossover type cable.



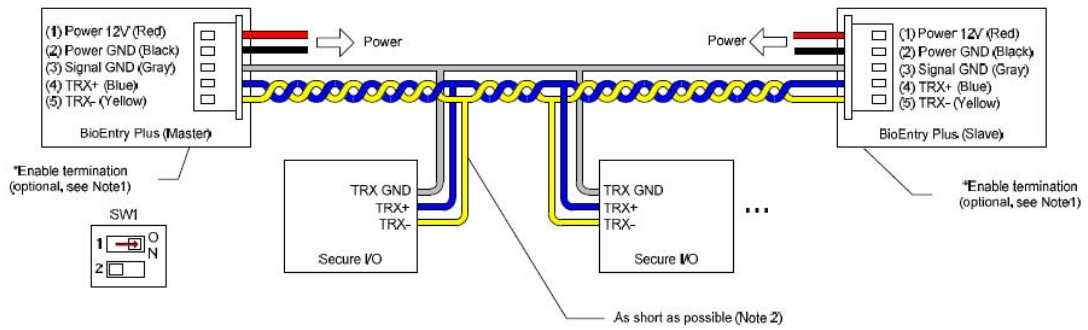
RS485 Connection for Host Communication



Important Notes

- Only the devices at the both ends of the bus should be terminated. To enable termination on the RS232-485 converter, refer to the converter's manual.
- Adjust the communication speed as needed. The signal quality vary depending on wiring conditions, and it may be necessary to lower the baudrates.
- The GND signal may be omitted *if and only if* the GND potential difference is less than $\pm 5V$.

RS485 Connection for Secure I/O



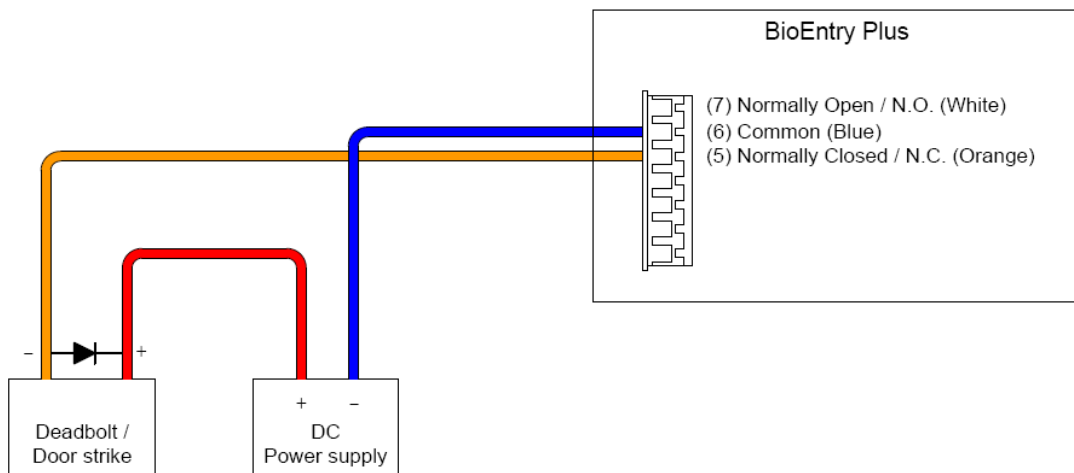
Important Notes

1. For bus termination, only the devices at both ends of the bus should be terminated. To enable termination on the RS232-485 converter, refer to the converter's manual.
2. The stubs should be as short as practical

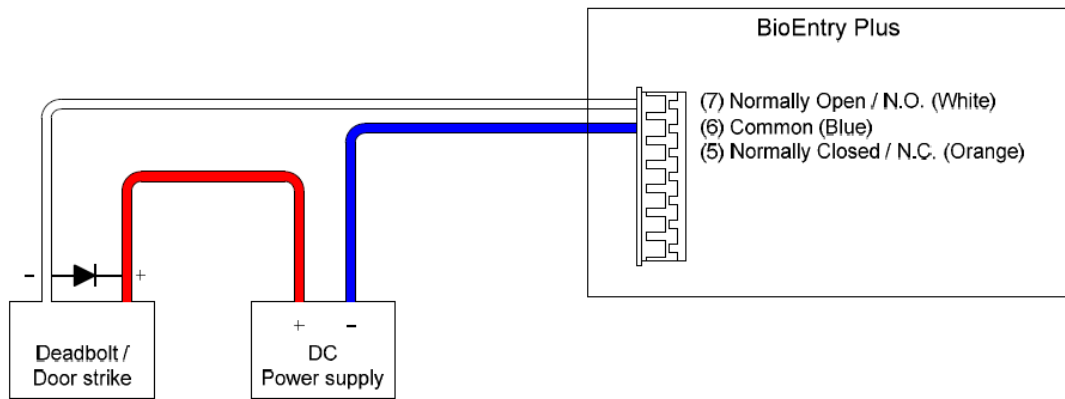
Max number of devices

- Maximum numbers of devices in an RS485 loop are two(2) devices (BioStation or BioEntry Plus) and four(4) Secure I/Os

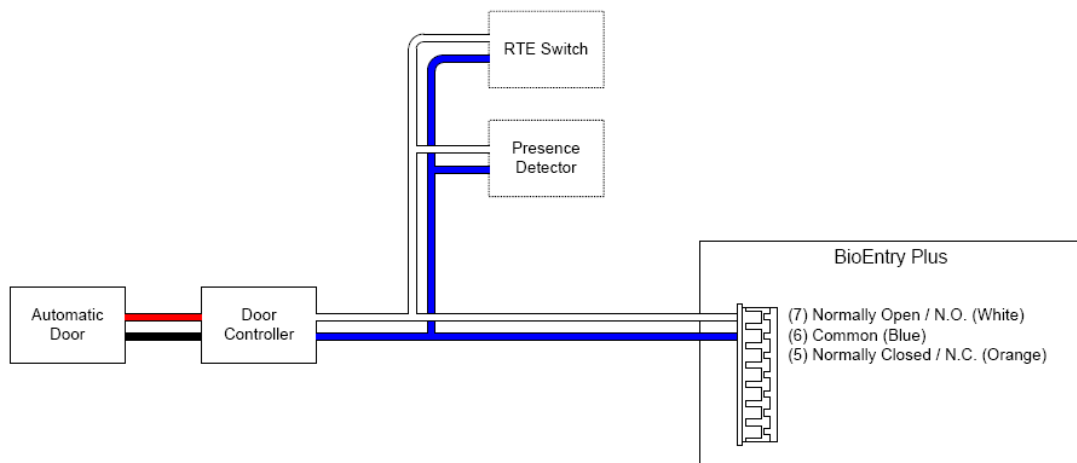
Relay Connection – Fail safe lock



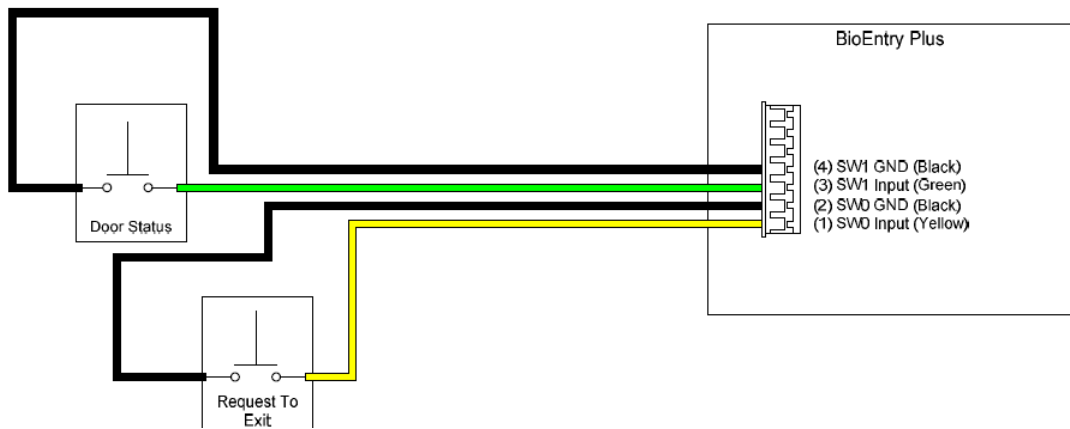
Relay Connection – Fail secure lock



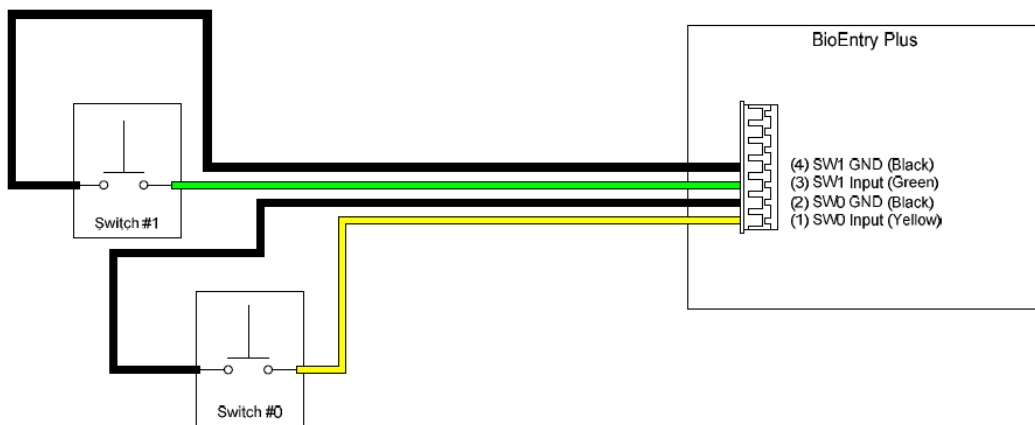
Relay Connection - Automatic door



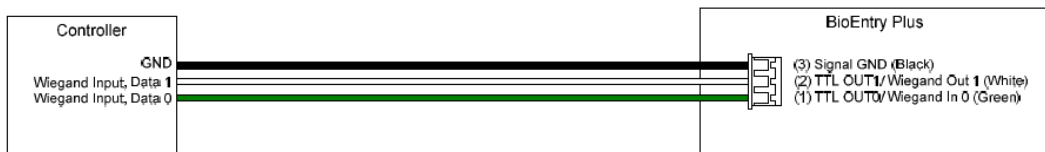
Digital Input Connection (RTE, Door sensor)



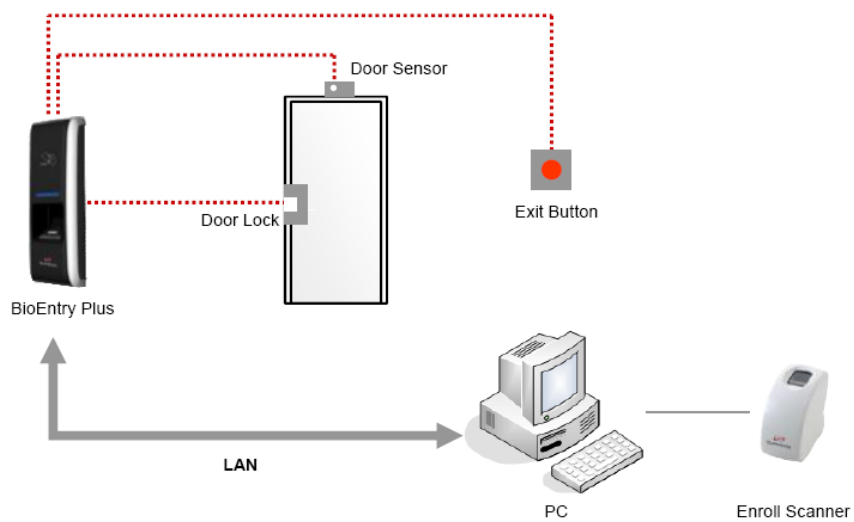
Digital Input Connection (Alarm, Emergency sw)



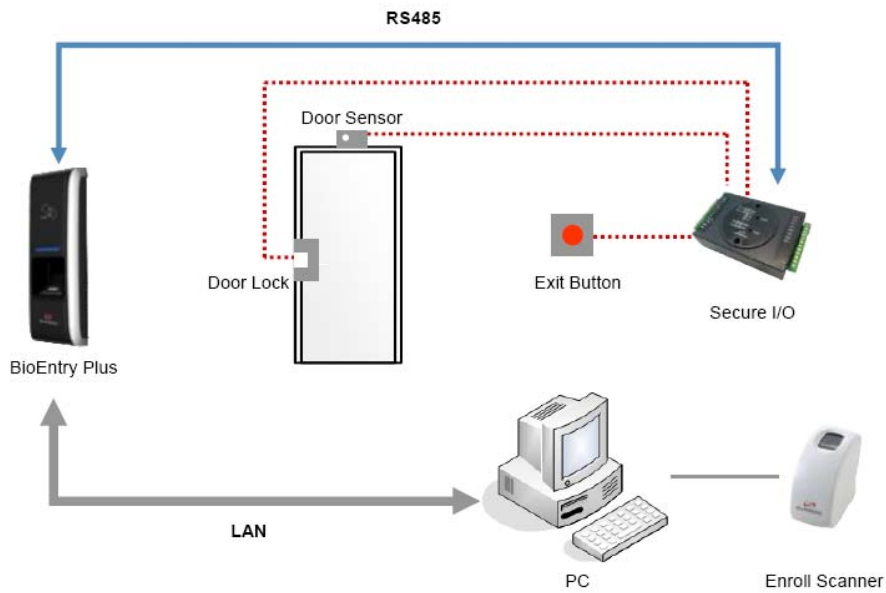
Wiegand Output



Installation Reference 1 - Stand alone



Installation Reference 2 – Secure



Installation Reference 3 – Network

