Suprema Inc.
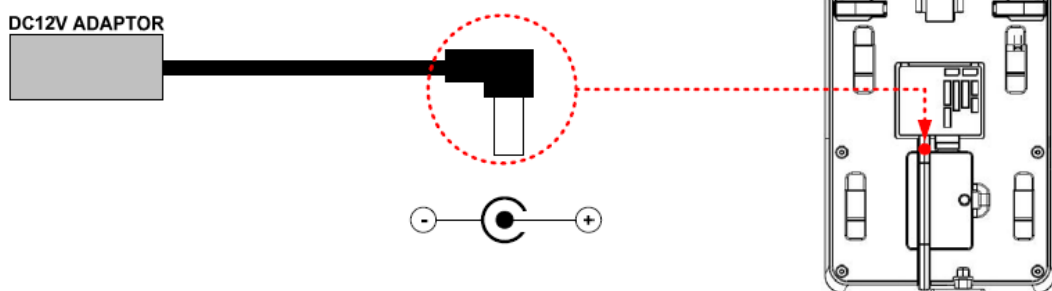
FCC ID：**TKWDSMOC**

-Operational description-

Power Connection

■ Power connection

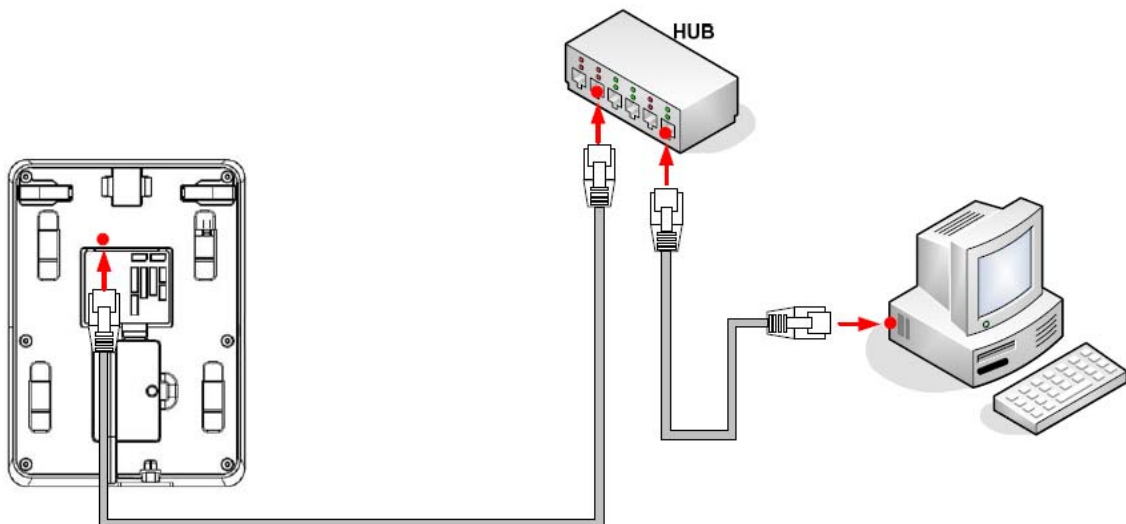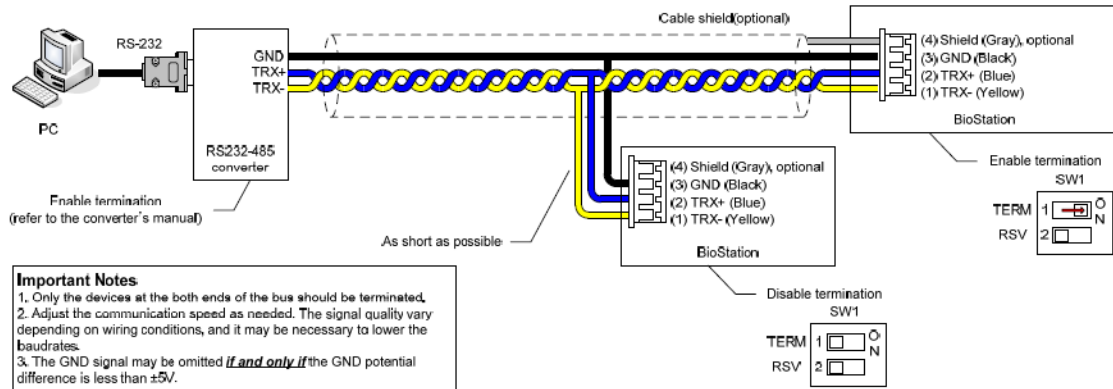
■ Recommended power supply
  • 12V ± 10%, at least 1500mA for BioStation alone installation.
  • Comply with standard IEC/EN 60950-1
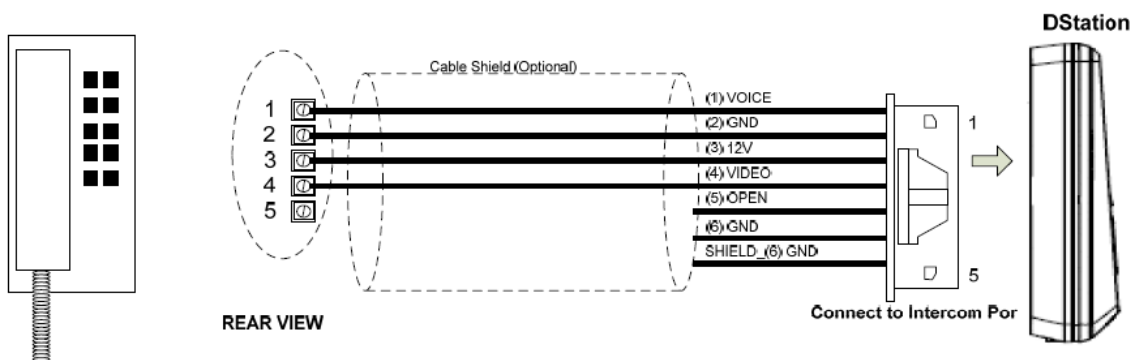 • To share the power with other devices, use a power supply with higher current ratings.
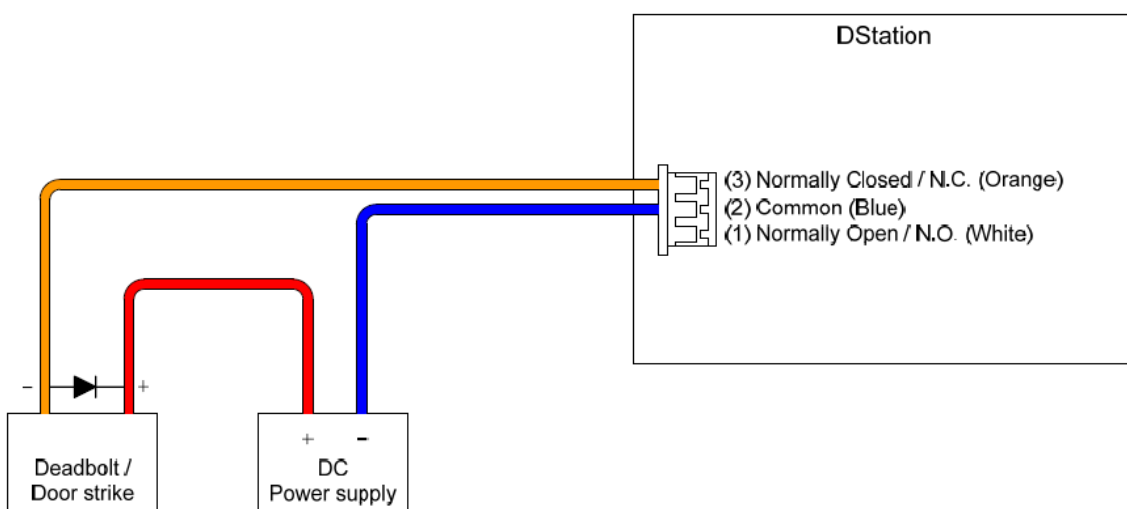
LAN Connection

RS485 Network Connection

Important Notes:
1. Only the devices at the both ends of the bus should be terminated.
2. Adjust the communication speed as needed. The signal quality vary depending on wiring conditions, and it may be necessary to lower the baudrates.
3. The GND signal may be omitted *if and only if* the GND potential difference is less than ±5V.

Intercom Connection

Relay Connection-Fail Safe Lock

Relay Connection-Fail Secure Lock

DStation

(3) Normally Closed / N.C. (Orange)
(2) Common (Blue)
(1) Normally Open / N.O. (White)

Deadbolt / Door strike

DC Power supply
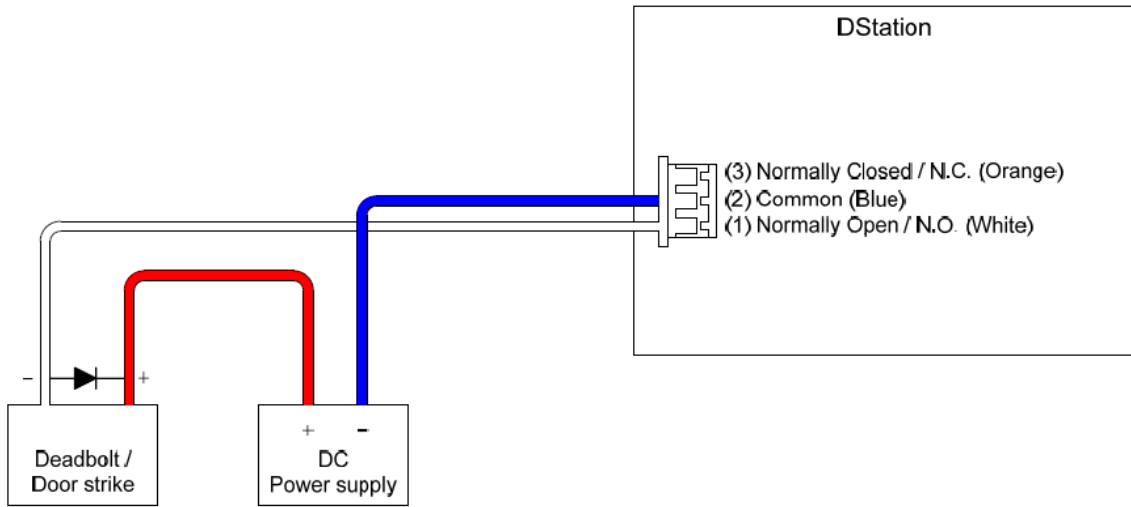
Relay Connection-Automatic Door

RTE Switch

Presence Detector

Automatic Door

Door Controller

DStation

(3) Normally Closed / N.C. (Orange)
(2) Common (Blue)
(1) Normally Open / N.O. (White)
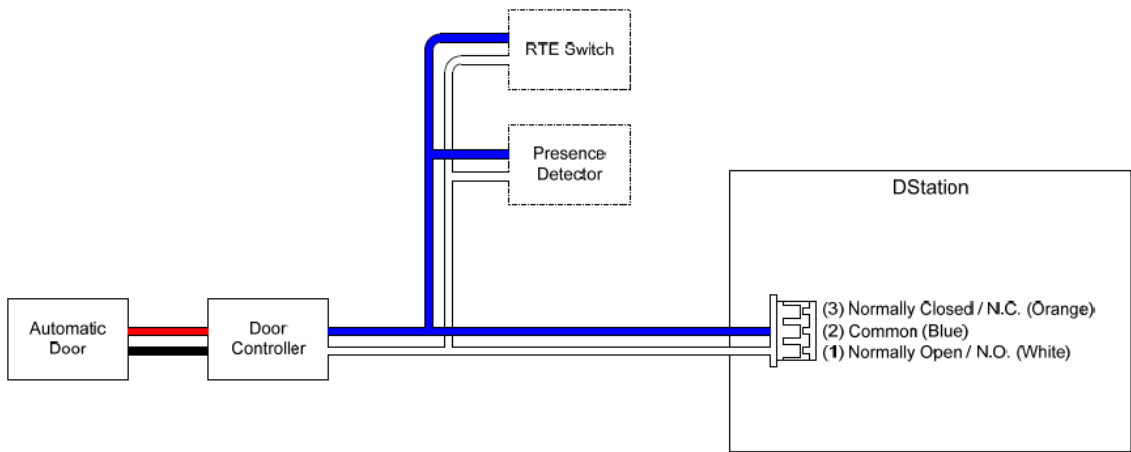
TTL Input Port Connection-RTE Switches

Request To Exit #1

Request To Exit #1

Request To Exit #1

Request To Exit #1

Cable shield(optional)

DStation

(8) SHELD_GND
(7) GND
(6) TTL_IN3
(5) TTL IN2
(2) SHELD_GND
(3) GND
(2) TTL IN1
(1) TTL IN0
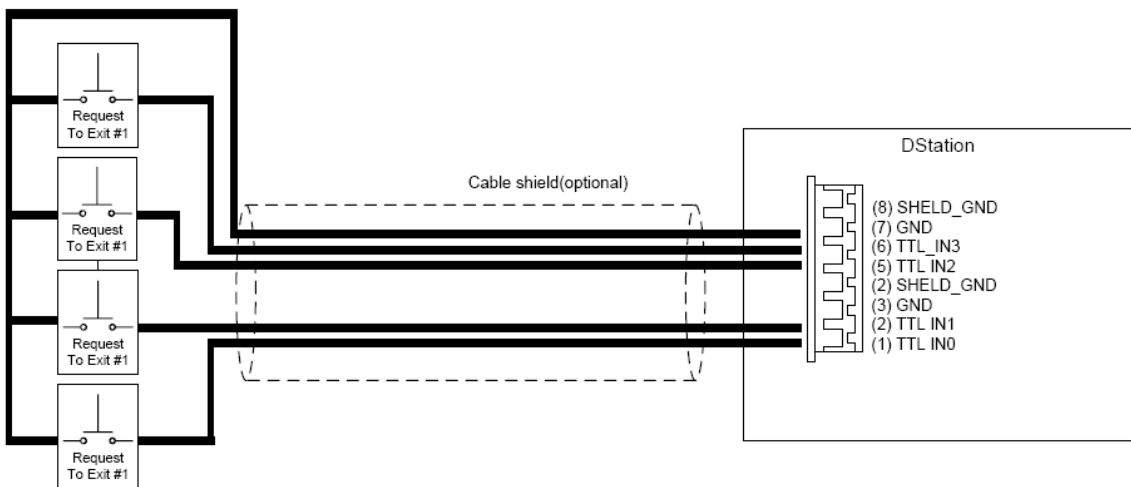
Wiegand Input Connection-External reader