VP-BIO
Quick Manual

www.sensoraccess.co.uk

Components

| Components	Quantity
Product	1
Bracket	1
Cable	6
Screw	Bracket : 2(T3x20mm)/ Product : 1(M3x6mm)
TCP/IP Extension Cable	1

Part Name
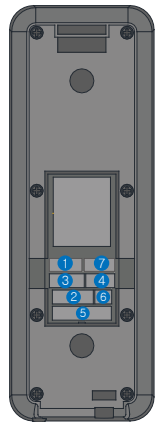
VP-BIO

1. CN1) TCP/IP Connector
   - Use TCP/IP to connect extension cable

2. CN501) Relay 1,2
   - Connect with door lock, alarm device and etc.

3. CN503) Wiegand Input
   - Connect with extension card reader

4. CN506) Wiegand Output
   - Output to set-up card data

5. CN505) Sensor Input - Connect to exit button or various sensors
   (door contact, security sensor or etc.)

6. CN2) Power Input
   - Supply 12V to desktop through power supply

7. CN3) RS485 / RS422
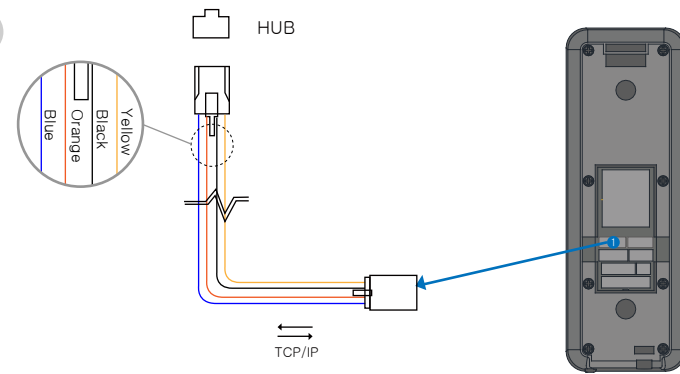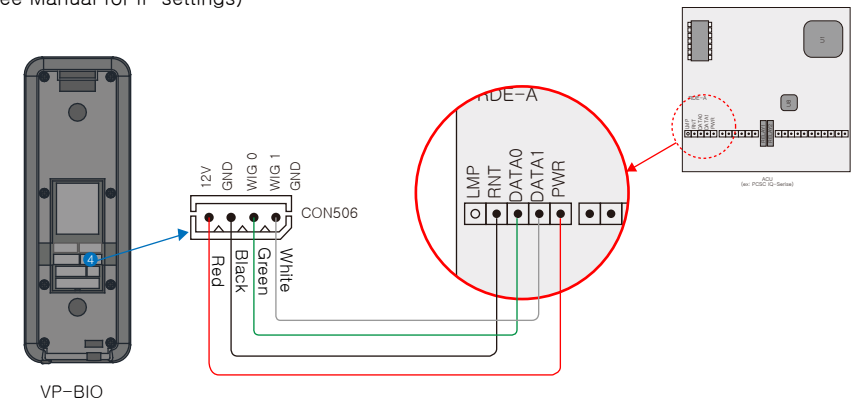   - Possible to use 485 or 422 communication

1

Black
DV12V Red
GND
VCC
Transfomer
AC220V
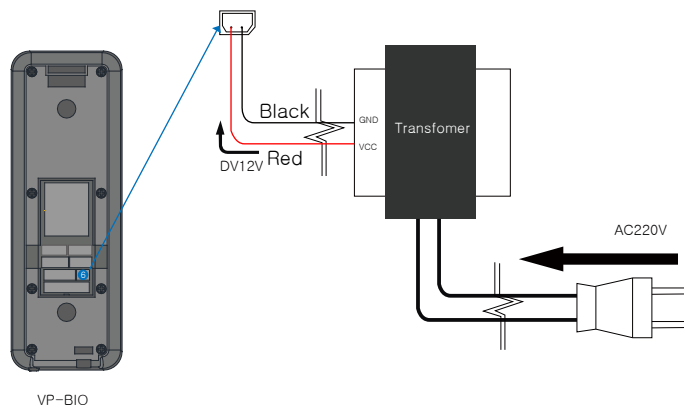
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1. Connect DC12V Power supply to "CN2" Doesn't matter the direction of the GND and VCC.

2

HUB

Blue / Orange / Black / Yellow

TCP/IP

2. It can build access control system by LAN or WAN without limited distance if uses TCP/IP way.
   It can connect RJ45 of opposite after connecting CN1 using enclosed extension cable.
   (See Manual for IP settings)

3

12V / GND / WIG 0 / WIG 1 / GND   CON506
Red / Black / Green / White

RDE-A
LMP / RNT / DATA0 / DATA1 / PWR

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3. It can only operate a card or fingerprint reader but not controller if it connects with other main controller.
   At this time, it can use wiegand out socket(CN506) when information that has hands over to main controller

4

CON503

Reader
(ex : KP-10)

Red:12V
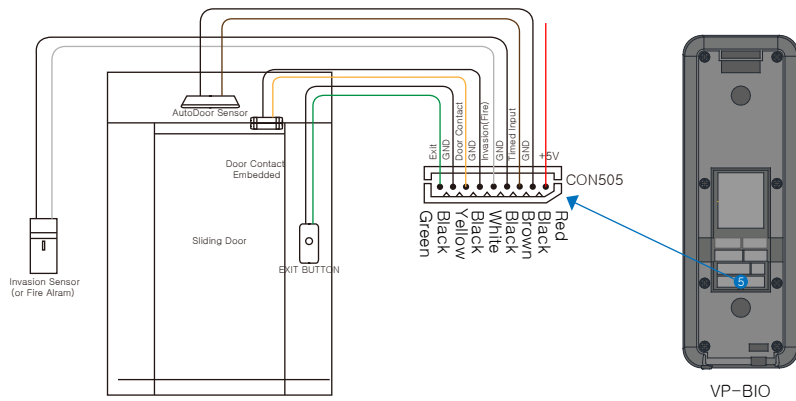Black : GND
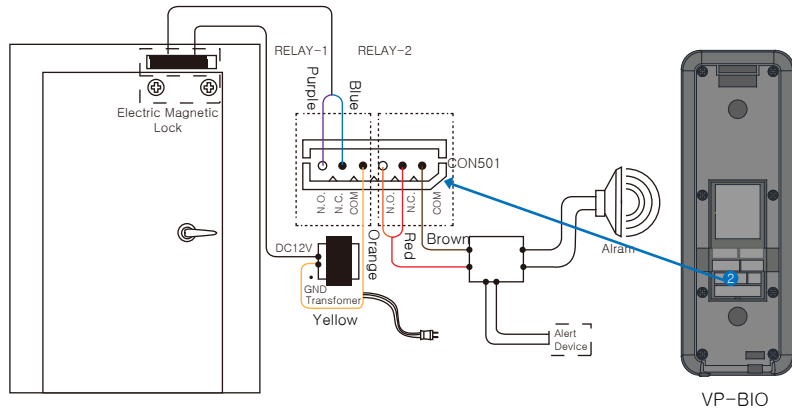Green : Date 0
White : Date 1
Blue : LED Control
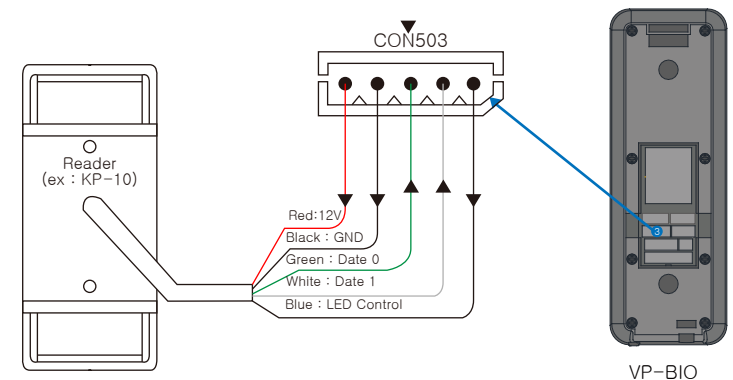
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4. It can connect cable of card reader that is set CON503 if connects with RF card reader. Above picture
   shows connecting with KP-10(KP-20).

5

AutoDoor Sensor
Door Contact Embedded
Sliding Door
EXIT BUTTON
Invasion Sensor (or Fire Alram)

Exit GND / Door Contact GND / InsumantiHigh) GND / Fram Input GND / +5V
Green / Black / Yellow / Black / White / Black / Brown / Black / Red
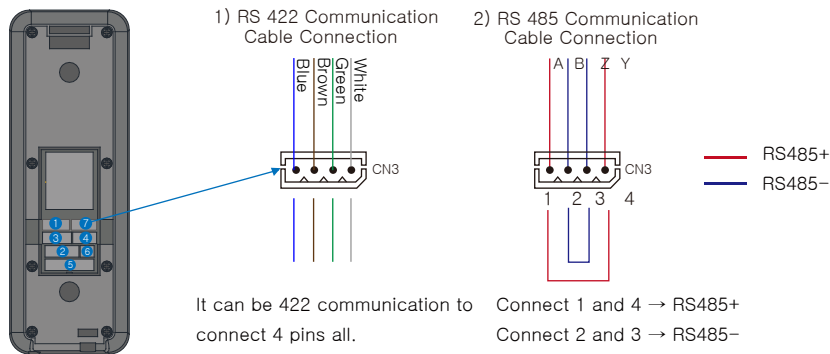
CON505
VP-BIO

5. Above picture shows to control automatic sliding door and related equipment. It is to connect cable from door contact, sensor, exit button and infrared sensor like above picture.

6

Electric Magnetic Lock

RELAY-1   RELAY-2
Purple Blue

CON501
N.O / N.C / COM / N.O / N.C / COM

DC12V
GND Transformer
Yellow
Orange Red Brown
Alram

Alert Device

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6. 400 operates access control as a physical method that is installed various sensors read various situations related with various equipment as above picture. It is operated equipment from various electric strikes or alarms connecting to CON501

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VP-BIO

1) RS 422 Communication Cable Connection

Blue / Brown / Green / White

CN3

It can be 422 communication to connect 4 pins all.

2) RS 485 Communication Cable Connection

A B   Z Y

CN3
1 2 3   4

RS485+
RS485−

Connect 1 and 4 → RS485+
Connect 2 and 3 → RS485−

7-1) It can be 422 communication to connect 4 pins all.
7-2) Connect 1 and 4 → RS485+/ Connect 2 and 3 → RS485−

Card Register

VP-BIO series have to use shortcut feature of shortcut tool programme that is enclosed CD for using master card to use the blank card(additional purchase) of VP-BIO D and C type. (Note : enclosed CD manual for specification) Shortcut feature could be used to control for registration process later.

Instruction of Fingerprint Type

ESC
OK

1. Press fingerprint sensor for 3 seconds and access to system menu
2. Move between menus using navigator button

User - Registration

1. Access to system menu
2. Select "User" and press OK button
3. Select "Register" and press OK button
4. Input password (USER ID) and set up the privilege User or Admin
5. Register fingerprints and/or card
6. Scan fingerprint 3 times to register and 2 fingerprints are available per ID
7. Place user card to read card no.

Cautions

- Avoid direct sunlight or heat radiations
- Do not use liquid solvent or wet cloth when cleaning. Use soft cloth.
- Do not put around strong magnetic things such as TV, monitor and magnet
- Call service centre if you have any problems.
- Be careful not to drip liquid such as water or beverage into the item.
- Do not renovate, repair or separate as you want randomly. A/S will not be taken.