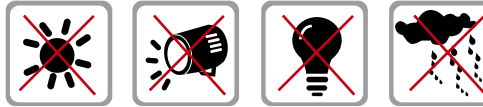# FING⊘RTEC

Installation Guide

### Face ID 3
Face Recognition System for
Door Access

Step 1
Determine the Location and Positioning of the Installation

- Avoid installing the terminals in locations that has contact with a strong light source (e.g direct sunlight, spotlight, fluorescent light, etc)


- Avoid installing the terminals in locations prone to high moisture or condensation levels in the air

- The recommended installation height of the terminal from the ground is 1.2 meter.

Step 2
Mounting Terminals

4 feet / 1.2 meter (recommended)
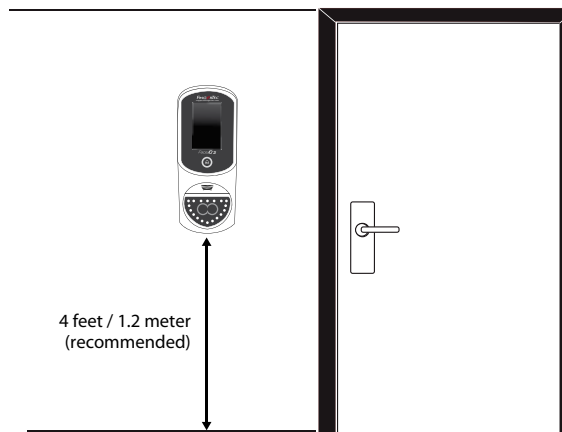
- After measuring the height accordingly and make relevant marking on the wall, drill the screws into the wall to secure the back plate.

- Attach the terminal to the back plate and tighten the screws. Refer to Appendix II for dimensions and measurements of installation.
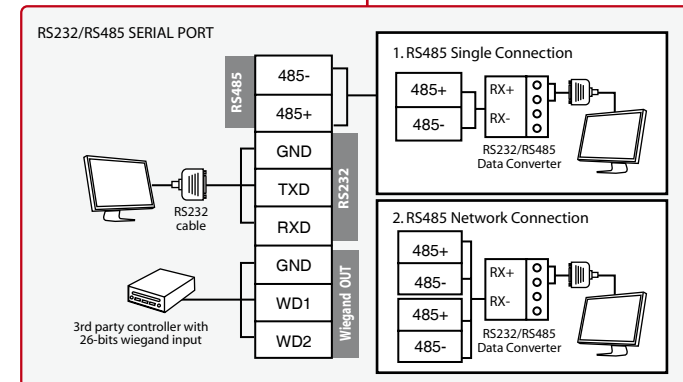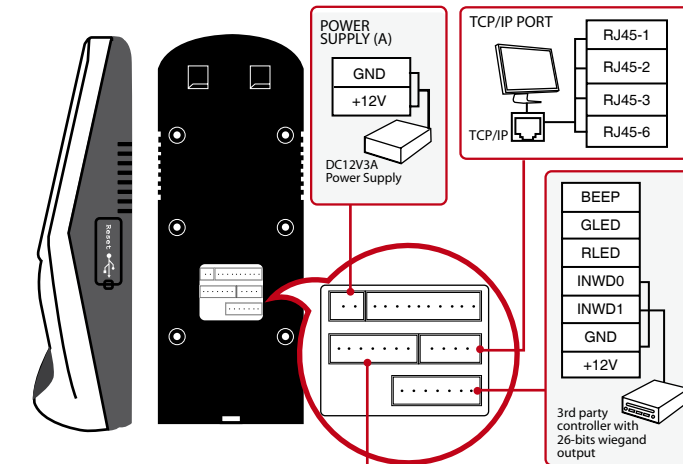

1.2m

0.5m
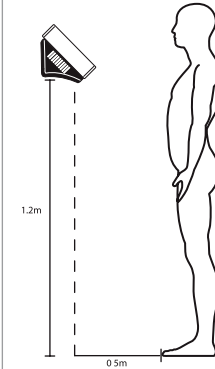
INSTALLATION TIPS:

A good installation location of Face ID 4 must

1 - Avoid sunlight

2 - Be 2 meters away from any light source e.g. ceiling direct flourescent light

3 - Suggested 1.2m from the ground level (meas-ure from ground to the camera)

Step 3
Wiring for Power Supply

Use power cables (black and red) to connect to a linear power supply with specifications of 12VDC 3A (Marked A).

POWER SUPPLY (A)

| GND |
| +12V |

DC12V3A Power Supply

TCP/IP PORT

| RJ45-1 |
| RJ45-2 |
| RJ45-3 |
| RJ45-6 |

TCP/IP

| BEEP |
| GLED |
| RLED |
| INWD0 |
| INWD1 |
| GND |
| +12V |

3rd party controller with 26-bits wiegand output

RS232/RS485 SERIAL PORT

RS485

| 485- |
| 485+ |

GND
TXD
RXD

RS232

GND
WD1
WD2

Wiegand OUT

RS232 cable

3rd party controller with 26-bits wiegand input

1. RS485 Single Connection

| 485+ | RX+ |
| 485- | RX- |

RS232/RS485 Data Converter

2. RS485 Network Connection

485+	RX+
485-	RX-
485+	
485-	

RS232/RS485 Data Converter

Door Lock connector. Refer to Appendix I

Step 4
Setting Up Data Communication
(Skip this step if you are using USB flash disk to transfer data)

The data communication ports are positioned at the rear of the terminals, please refer to the diagrams shown on Step 3 to deter-mine the wiring. Plug the communication jacks to the corresponding ports.

TCP/IP – LAN Connection
For TCP/IP connection, plug the special RJ45 jack into the TCP/IP (LAN) Port of the terminal. Connect the other end (normal RJ45 jack) to the local area network hub or a PC. Configure the device ID, IP address, subnet mask and Gateway in the terminal (refer to the hardware user manual for details).

RS232 – Serial Port Connection
Plug the communication jack that is provided in the package to connect to the communication port of the terminal. Select wires with label RX, TX and GND, and connect the other end of these wires to a DB9 female connector. Configure the device ID and baudrate of the terminal (refer to the hardware user manual for details). Use the normal RS232 cable to plug into the RS232 port of the terminal.

RS485 – Serial Port Connection
Plug the communication jack that is provided in the package to connect to the communication port of the terminal. Select wires with label RS485+, RS485- and GND, and connect the other end of these wires to an RS232/485 data converter. Connect the other end of the data converter to a DB9 female connector. Configure the device ID and baudrate of the terminal (refer to the hardware user manual for details).

Step 5
Finalizing the Installation

1. Check that all cable connections are done correctly.
2. Attach the terminal to the corresponding back plates and tighten the screws to secure the terminal on the wall.
3. Switch on the power to the terminal.
4. Start using the terminal.

Other Accessories
FingerTec offers complementing accessories which can be used with your terminals. These optional accessories are available at
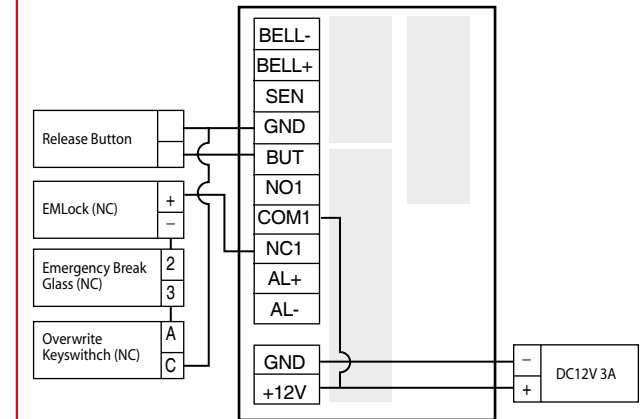*http://accessory.fingertec.com*
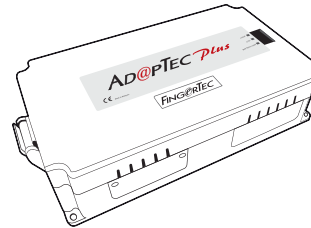
AdapTec Plus

The AdapTec Plus is a 12VDC power supply inclusive of a 110~240VAC switching linear power. The AdapTec Plus supplies 12VDC power to the FingerTec terminal and door lock system as well as charges a 12VDC 7.0Ah backup battery simultaneously. During an event of a power failure, the back up battery automati-cally provides power to the terminal and maintains the door lock system. The AdapTec Plus also prevents a secured door from being opened if it has been tampered with.
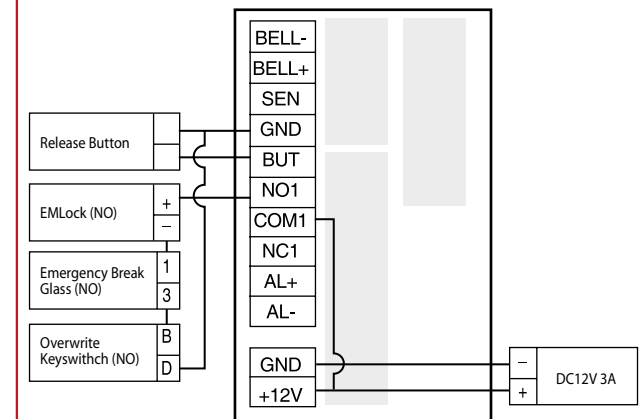
Door Lock Accessories
FingerTec offers various door locks accessories to complement FingerTec door access product range.

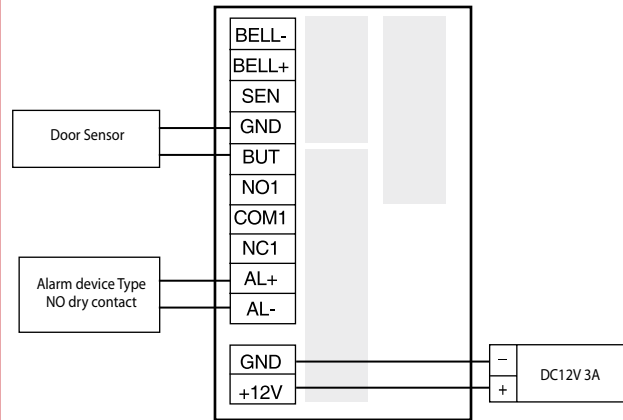# Appendix I
Power Supply & Door Lock System Wiring Diagrams

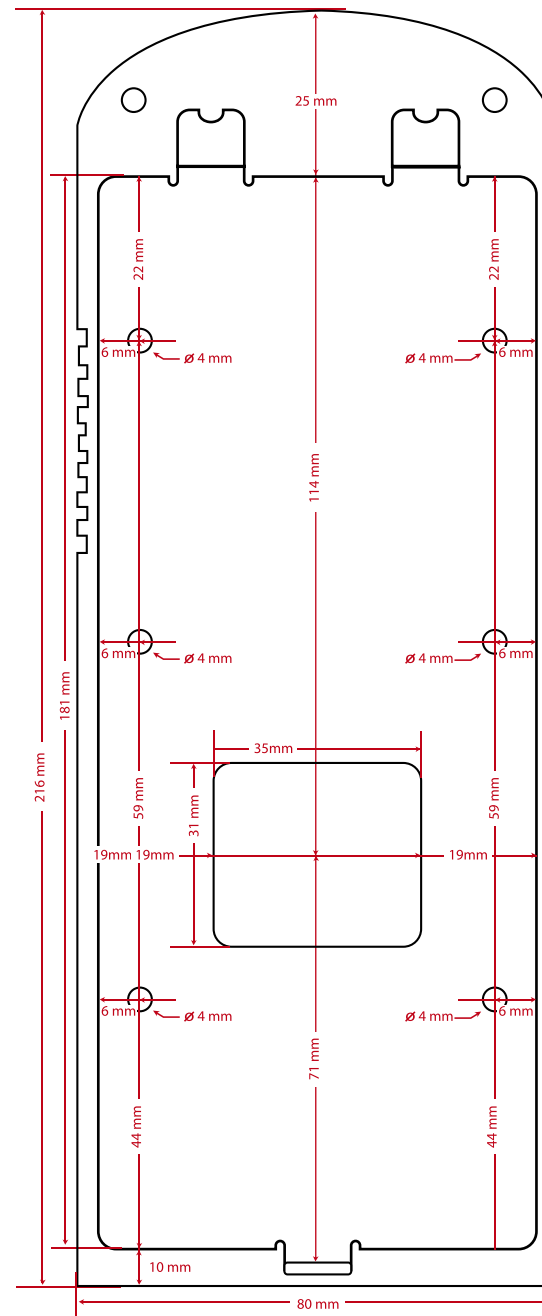### ▶ Diagram 1 • Normally Close (NC)

▶ Diagram 2 • Normally Open (NO)

Appendix I
Terminal Dimensions and Measurements

Front View of Back Plate

Door Lock Connectors

WIRING PORT	USAGE
BELL-	**To connect to schedule bell/siren**
BELL+	
SEN	**Door Sensor** (SEN-GND)
GND	**Release button** (BUT-GND)
BUT	
NO1	**Dry Contact** (independ-ent power supply for door lock) • NO type door lock (NO1-COM) • NC type door lock (NC1-COM) **Power Contact** (using power from terminal to power on door lock) • NO type door lock (NO1-GND) • NC type door lock (NC1-GND)
NC1	
COM1	**Dry Contact** (independ-ent power supply for door lock) • NO type door lock (NO1-COM) • NC type door lock (NC1-COM) **Power Contact** (using power from terminal to power on door lock) • COM1 - +12V
AL+	**Alarm System** • NO output
AL-	