

Installation Guides



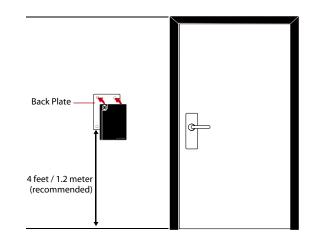
_ ŽKadex & i-Kadex Card Reader for Time Attendance & Door Access Control System

Step 1

Determine the Location and Positioning of the Installation

- Avoid installing the terminals in locations with 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 of Terminals on A Wall



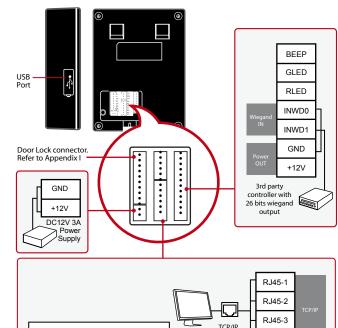
• After determining the height of the terminal from the ground level and have made the relevant marks on the wall, drill the screws into the wall to hang the back plate.

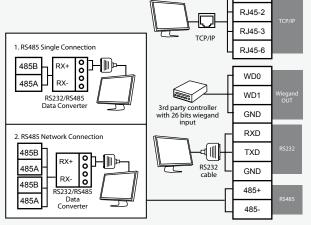
Refer to Appendix II for dimensions and measurements of installation.

Step 3 Wiring for Power Supply

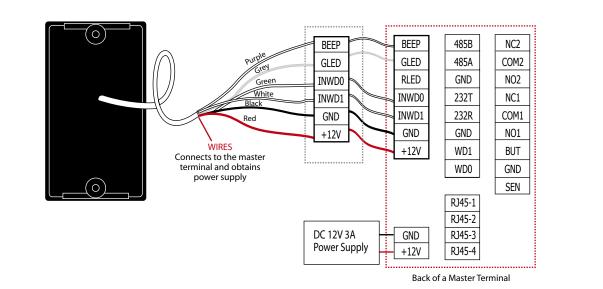
The power input ports for these models are located at the rear of the terminals. There is no adapter plug supplied with the models, instead you need to source for power cable (red and black cables) to connect the power from the terminal to the AdapTec.







i-Kadex



Connection of *i*-Kadex to *m*-Kadex

Step 4 Setting Up Data Communications (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 determine the wiring. Plug the communication jacks (TCP/IP, RS232 or RS485) 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, 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

Note: All Accessories are offered at http://accessory.fingertec.com

AdapTec



AdapTec AC

The AdapTec AC is a 12VDC power supply inclusive of a 110~240VAC switching linear power. The AdapTec 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 automatically provides power to the terminal and maintains the door lock system. The AdapTec AC also prevents a secured door from being opened if it has been tampered with.

Enclosures

FingerTec offers enclosures to protect the terminals from being meddled with by unauthorized persons.

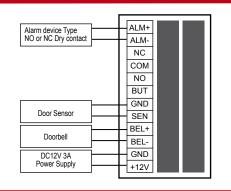
Door Lock Accessories

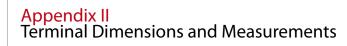
FingerTec offers various door locks accessories to complement FingerTec door access product range.

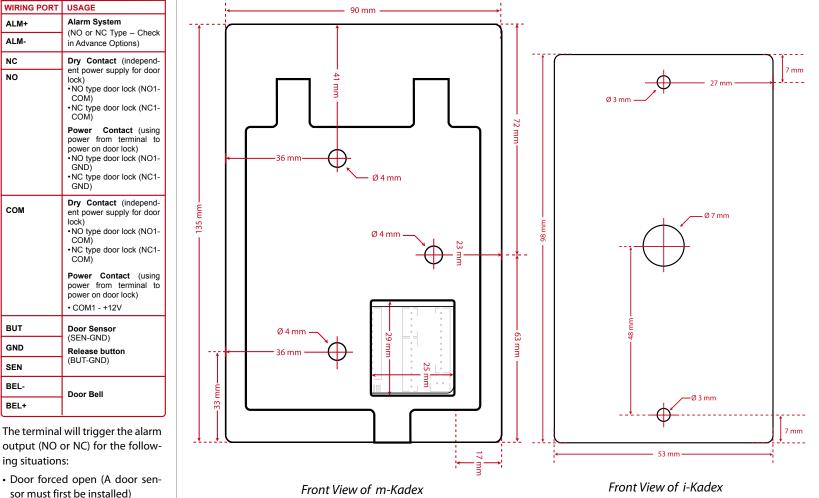
Appendix I Power Supply & Door Lock System Wiring Diagrams

▶ Diagram1 • Normally Close (NC) **Door Lock Connectors** WIRING PORT USAGE EM Lock (NC) Alarm System ALM+ ALM+ (NO or NC Type - Check Emergency Break 2 Glass (Type NC) 3 ALMin Advance Options) ALM-NC NC Dry Contact (independ-Overwrite Switch A ent power supply for door COM NO (Type NC) С lock) NO •NO type door lock (NO1-BUT COM) Release Button •NC type door lock (NC1-GND COM) SEN Power Contact (using BEL+ power from terminal to BELpower on door lock) •NO type door lock (NO1 GND DC12V 3A GND) Power Supply +12V •NC type door lock (NC1-GND) Dry Contact (independсом Diagram 2 • Normally Open (NO) ent power supply for door lock) •NO type door lock (NO1-COM) EM Lock (NO) •NC type door lock (NC1-ALM+ COM) Emergency Break 1 Glass (Type NO) 3 ALM-Power Contact (using 3 NC power from terminal to Overwrite Switch В power on door lock) COM (Type NO) D • COM1 - +12V NO BUT BUT Door Sensor Release Button GND (SEN-GND) SEN GND Release button BEL+ (BUT-GND) SEN BEL-GND BEL-DC12V 3A Door Bell Power Supply +12V BEL+ The terminal will trigger the alarm

Diagram 3 • Other Accessories







- · Door open time out (A door sensor must first be installed)
- Terminal has been illegally dismantled

ing situations: