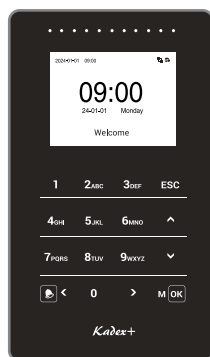


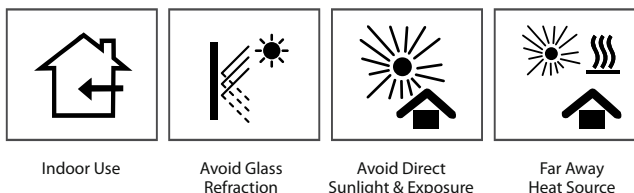
Installation Guide



Kadex+
Standard RFID Card
Door Access & Time Attendance System

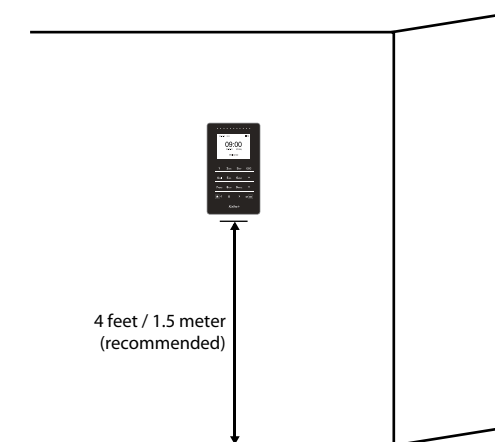
Step 1 Determine the Installation Location

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



- 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 to the camera is 1.5 meter.

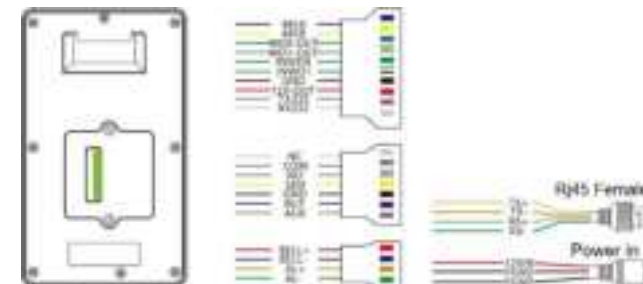
Step 2 Mount Terminal on a Wall



1. Avoid strong sunlight
 2. Install the terminal 1.5m from the ground level (measure the height from the ground to the face camera)"
- After measuring the height accordingly and make relevant markings 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.

Step 3 Wiring for Power Supply

Use power cables to connect to a linear power supply with specifications of 12VDC 3A to Power Port.



Step 4 Setting Up Data Communications

The data communication ports are positioned at the rear of the terminal, please refer to the diagram shown on Step 3 to determine the wiring. Plug the communication jacks (TCP/IP) to the corresponding ports.

TCP/IP – LAN Connection

For TCP/IP connection, 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 or turn on DHCP function in the terminal (refer to the hardware user manual for details).

Wi-Fi Settings

Menu > COMM. > Wi-Fi Settings > WIFI=ON

Select SSID > Insert WIFI password > Connect to Wi-Fi (OK)

It will indicate that it is Connected and will receive IP address as per DHCP Server.

Device Type Settings

Menu > System > Device Type Settings

Please choose device type according to your need

1. Ingress Software (Attendance Mode) and TimeTec Attendance
Communication Protocol = PUSH Protocol
Device Type = T&A PUSH
2. Ingress Software (Access Mode)
Communication Protocol = PUSH Protocol
Device Type = A&C PUSH
3. TimeTec Access Communication Protocol = Best Protocol

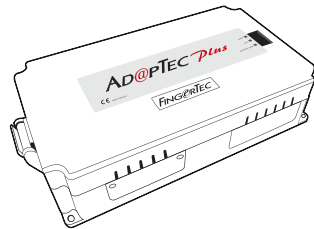
Step 5 Finalizing the installation

1. Check that all cable connections are done correctly.
2. Attach the terminal to the corresponding back plate, tighten the screws to fix the terminal on a wall.
3. Switch on the power to the terminal.
4. Start using it.

Other Accessories

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

AdapTec Plus



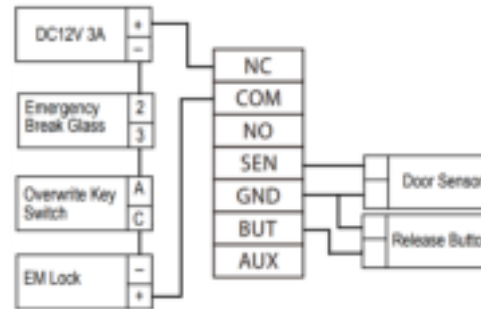
The AdapTec Plus is a 12VDC power supply inclusive of a 110~240VAC switching linear power. The AdapTec Plus supplies 12VDC power to the FingerTec terminal and door lock system as well as charges a 12VDC 7.0Ah backup battery simultaneously. During an event of a power failure, the back up battery automatically 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

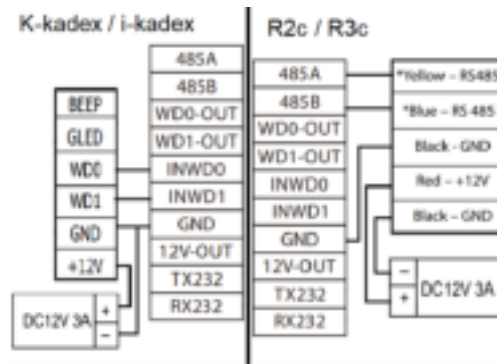
FingerTec offers various door locks accessories to complement the door access product range.

Appendix I Power Supply & Door Lock System Wiring Diagrams

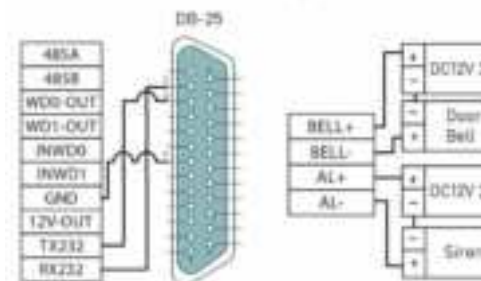
► Diagram 1 • Normally Close (NC)



► Diagram 2 • Slaver Reader



► Diagram 3 • Printer / Bell / Siren



Door Lock Connectors

WIRING PORT	USAGE
SEN	Door Sensor (SEN-GND) Release Button (BUT-GND)
GND	
BUT	
NO1	Dry Contact (Independent 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	
COM	Dry Contact (independent 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
AL-	

The terminal will trigger the alarm output in the following situations:

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

Appendix II Terminal Dimensions and Measurements

