E3AK7 and E3AK8
Bluetooth Access Control Keypads

E3AK7

E3AK8

Features:

- Access Modes: Use Bluetooth smartphone or enter 4 to 8 digit Passcode to access
- 1 Administrator and 1000 Users
- Built-in Tamper alarm and Buzzer (85dB)
- User Management ： Add / Delete / View user data, Grant user access for specific dates or time periods, Change user passcode
- Audit Trail logs for last 1000 events
- Overhead LEDs and Backlit keys for easy use in the dark
- The keypad will be disabled for one minute when 3 failed passcode attempts.
- IP65

Specifications:

- Operating Voltage ： 12 to 24 VDC
- Bluetooth Module ： BLE 4.2 Bluetooth Low Energy
- Current Draw ：
  Standby current :
  26mA@12VDC, 15mA@24VDC
  Working current (Relay active):
  27mA@12VDC, 16mA@24VDC
- Bluetooth Operating Distance ：
  Up to 50 meters (164 ft) without blocking by metal or concrete wall/door frames
- Smartphone Compatibility ： Android 5.0 and up, iOS 9.0 and up
- Working Temperature ：
  -20 ℃ ~ +50 ℃ (-4 ℉ ~122 ℉)
- Dimension ：
  E3AK7 ： 120 (L) x 76 (W) x 22 (D) mm
  E3AK8 ： 152 (L) x 45 (W) x 25 (D) mm
- Finish ： Aluminium alloy

Pre-Installation

E3AK7 & E3AK8 Parts List：

|		
Flat head phillips screws, Cone point x4	Tri-point screw 3x8mm x1	Tri-point screwdriver (special tool) x1
Anchor bolts x4	Crimp connectors x12	

LED & Audible Indicators

LED	Status
Blue	Power on, Standby mode
Green	Unlocked, Door always unlocked
Red	Invalid access, Door always locked

Audible Beeps	Status
1 Short beep	Key press
1 Long beep	Valid access, Reset is completed
2 Short beeps	Login completed
3 Short beeps	Invalid access, Forget to press # after entering passcode within 30 seconds
Constant beeping	Bluetooth device vandalized, Door sensor is on

Wiring Diagram

(E3AK7 & E3AK8 have same wiring and pin setting)

E3AK7

Buzzer   Cable

P1 P2 P3

Jumper Pin Setting :

: Normal (P1,P2) (Default)
P1P2P3

: Reset (P2,P3)
P1P2P3

E3AK8

Cable

P1
P2
P3

Buzzer

Green	RTE (Request-To-Exit)
Green	RTE (Request-To-Exit)
Brown	DS (Door Sensor)
Brown	DS (Door Sensor)
Yellow	NC (Fail-Safe Electrified Lock)
White	COM
Blue	NO (Fail-Secure Electrified Lock)
Black *(Polarity Insensitive)*	V- (Power Supply)
Red	V+ (Power Supply)
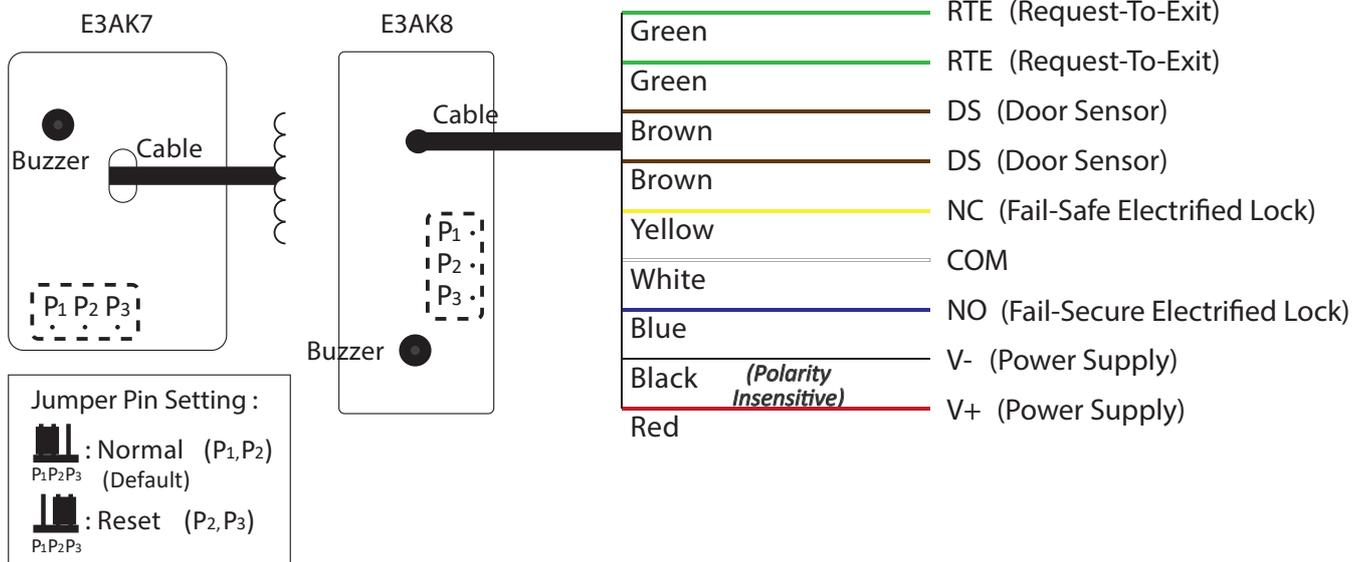
Reset Procedures
1. Power off Access Control Keypad.
2. Move the Pin Jumper to P2 and P3, then power on.
3. Hear a long beep to complete resetting procedures.
4. Move the Pin Jumper back to P1 and P2 to Normal setting.
5. Login as Admin and check all users, audit trail events are all cleared and everything is reset to factory default setting, except device name.

Install Crimp Connectors

Crimp connectors included:
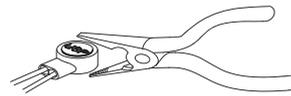
Crimp connectors

Use a pair of crimping pliers designed to crimp insulated connectors. Place the crimp connector into the compression slot. Be sure the crimping jaws are positioned over the stripped portion of the wire. Squeeze the handles together with enough force to crush the end of the butt splice.

Keypads Installation

E3AK7 Installation

Template

2″ (50.00mm)

33/10″ (83.50mm)
18/5″ (90.00mm)

2/3″ (16MM)   1″ (25MM)
CABLE HOLE DIA.
PAN HEAD
SCREW SIZE
ANSI Standard #6
Body dia 5/32″ (3.5mm)
Min.Lenth 1″ (25mm)
Product Center Line

2″ (50.00mm)

Anchor bolts
Flat head phillips screws
System wiring
Anchor bolts
Torx screw
Flat head phillips screws
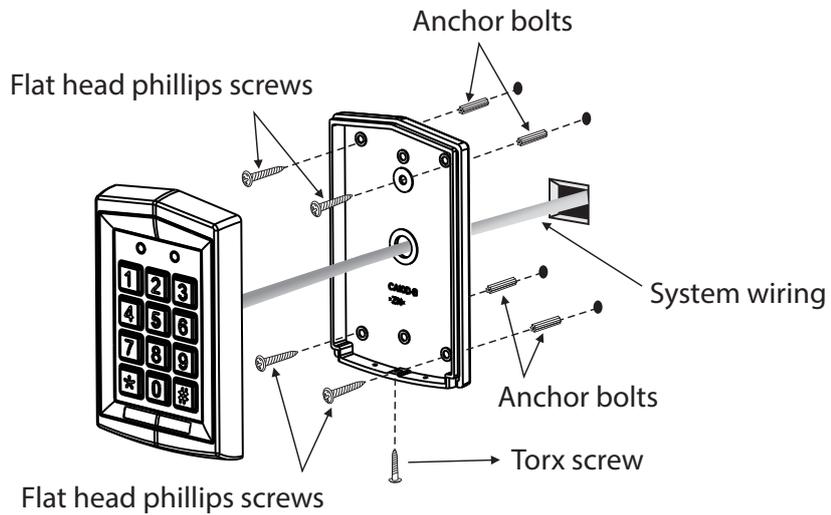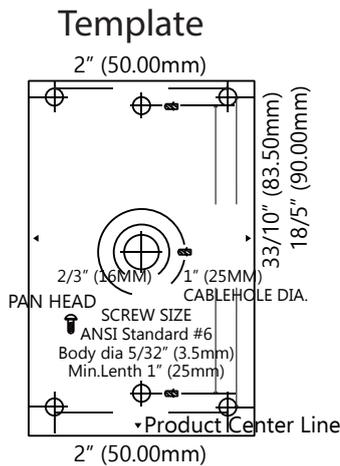
⬚ Open E3AK7 Keypad by loosening and removing the back case Torx security screw at the bottom with the Torx wrench.
⬚ Use the provided drilling template to accurately locate and drill the required holes.
⬚ Use the screws provided to mount the back case on the wall. Be sure to draw the wiring through the large centre hole in back case, and keep level.
⬚ Connect accurately the system wiring following the label enclosed on the rear.
⬚ Put the unit back and screw it on by using the Torx wrench.

E3AK8 Installation
Template

Ø=(0.3″)8mm   Ø=(0.3″)8mm
Ø=(0.3″)8mm

3.3″
83.50 mm
90.00 mm
3.5″

Ø=(0.3″)8mm
Ø=(0.3″)8mm   Ø=(0.3″)8mm

Anchor bolts
Flat head phillips screws
System wiring
Anchor bolts
Torx screw
Flat head phillips screws
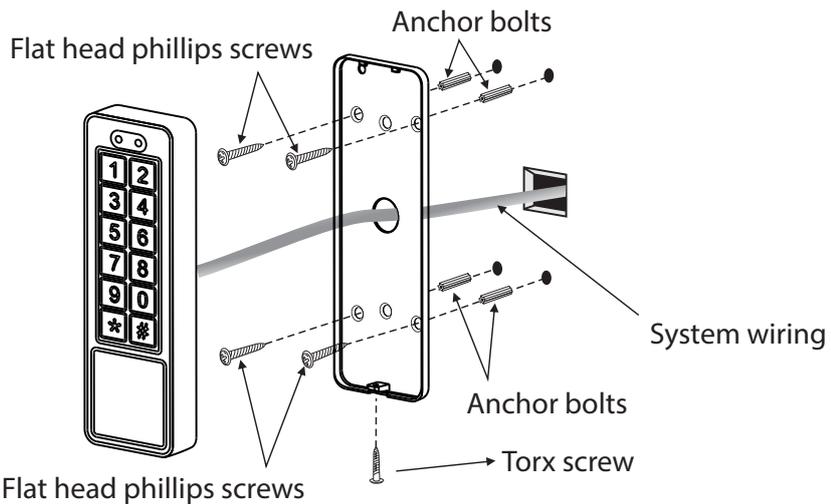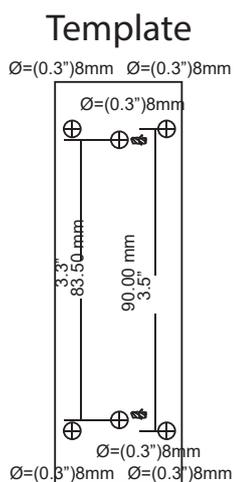
⬚ Open E3AK8 Keypad by loosening and removing the back case Torx security screw at the bottom with the special tool.
⬚ Use the provided drilling template to accurately locate and drill the required holes.
⬚ Use the screws provided to mount the back case on the wall. Be sure to draw the wiring through the large centre hole in backcase, and keep level.
⬚ Connect accurately the system wiring following the label enclosed on the rear.
⬚ Put the unit back and screw it on by using the Torx wrench.

Software App Operations

1. Download Easiprox App

Download Easiprox App to set up. Scan QR Code on the left or download the App from Apple Store or Google Play depending on what kind of smartphone you use. Smartphone compatibility ： Android 5.0 and up, iOS 9.0 and up

Easiprox

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2. App Main Page Introduction

① Login

Administrator ： Enter Admin ID and Passcode to login.

Admin ID ： ADMIN

Default Admin Passcode ： 12345 (Passcode ： 4~8 digits)

User ： Enter User ID and User Passcode to login.

User ID and User Passcode are given by the Administrator.

[Note]

1.) Administrator ID "ADMIN" can not be changed. Please change Admin's default passcode "12345" right after you login as the Admin.

Go to setting page, press Admin Passcode to Edit Admin Passcode.

2.) Login Success / Login Failure indications will be shown as following ：

Login Success ：

You Have Successfully Logged In. You May Now Unlock A Door.

Login Failure ：

Login Failed. Please Verify Your Login Information Or Contact Your Administrator.

② Device name

Choose which device you want to unlock by pulling down the Device name listing.

③ Device distance

The distance between you and the Bluetooth Keypad/Reader.

④ Settings

Tap "Settings" to view or change setting functions.

⑤ LOCKED / UNLOCKED

LOCKED ： Door lock status is Locked. (Default).
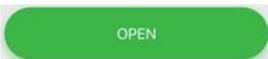
UNLOCKED ： Press [OPEN] n or the door icon to u ck the door.

⑥ Auto

Press "Auto" to enable Auto unlock function to access.

Make sure to disable "Auto" before pressing to enter Settings page.

⑦ Auto Proximity Range

Adjust Auto Proximity Range in Settings page. The range is between 0 to maximum 20 and it may have different results under different circumstances.

Software App Operations

3. Administrator "Settings" Page Introduction

Tap "Settings" to view or change setting functions in Users "Setttings" Page.

① Users ： (See Figure 1 below)

    a. Add / Delete / Edit user information.
    b. ID (Up to 16 characters)
    c. Passcode (4~8 digits)
   d. Keypad Access ： Enable / Disable keypad access for a user. (See Figure 2 below)
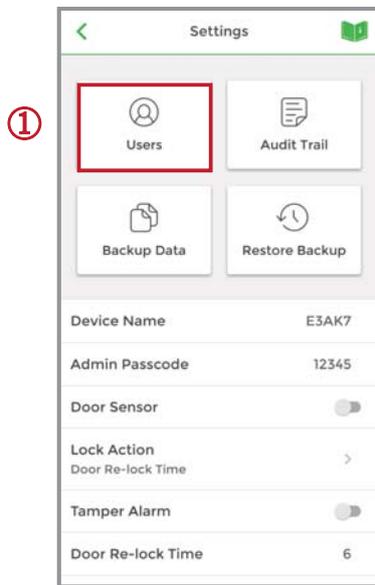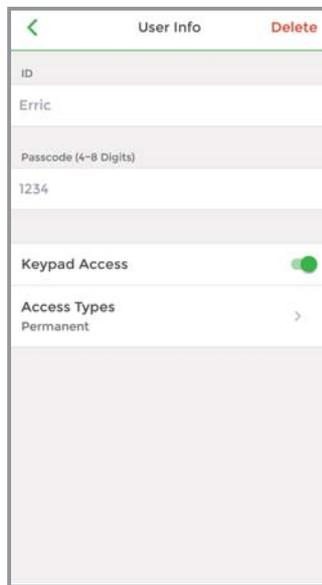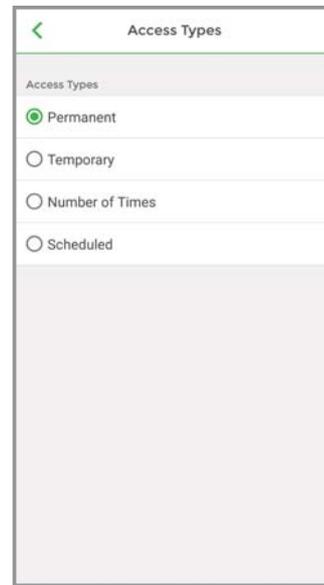
Figure 1   Figure 2   Figure 3

    i. Access Type ： (4 options) (See Figure 3)

    (A) Permanent ： Permanent access is given by default.
    (B) Temporary ： Set specific access time period for guests and visitors.
    (C) Number of Times ： To set number of access granted to user.
        (Please enter a number between 0 to 255)
    (D) Scheduled ： To assign repeatedly access on specific days and hours for a certain period of
        time. This setting is useful for house cleaners or constructors who need temporary access
        on regular basis. (See Figure 4 and 5 next page)

② Audit Trail ： (See Figure 4 and Figure 5 next page)

    a. Audit Trail is tracking last 1000 event logs including Tamper Alarm.
    b. Enter an user ID to search events for an user.
    c. Tap ⬚ to export all events to excel file.
    d. Tap ↻ to refresh all events.

③ Backup Data ： (See Figure 6 next page)

    Backup Data is to backup Users, Admin Passcode, Door Sensor, Lock Action, Tamper Alarm and
    Door Re-lock Time to Administrator's phone and can be restored except Device Name, Tamper
    Sensor Level, Auto Proximity Range, About Us and Audit Trail logs.
    Step 1 ： Press "Backup Data", the App will show ： Backup all data now?
    Step 2 ： Press Confirm, the App will show ： Backup Status Backup Complete!

④ Restore Backup (See Figure 6 next page)

    Restore the last backup data by Admin's phone to a new Access Control Keypad / Reader.
    Step 1 ： Press "Restore Backup", the App will show ： Restore all data now?
    Step 2 ： Press Confirm, the App will show ： Restore Status Restore Complete!
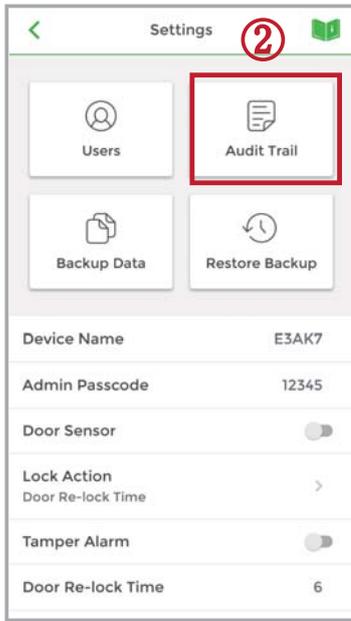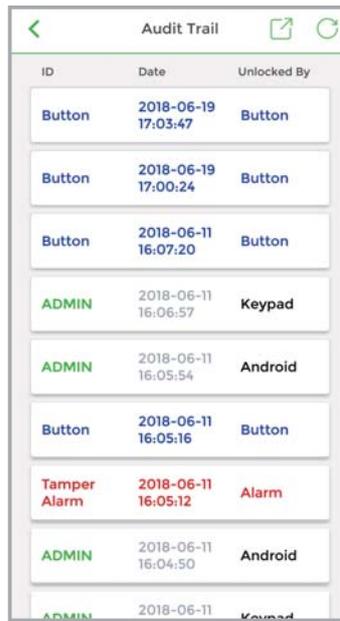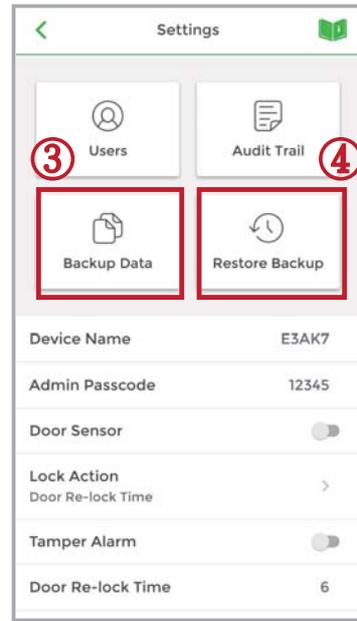
Figure 4   Figure 5   Figure 6

Administrator "Settings" Page Introduction Continued： (See the Figure)

- Device Name： Edit Device Name (Up to 16 characters)
- Admin Passcode： Edit Admin Passcode (4~8 digits)
- Door Sensor ：
  Enable Door Sensor when you connect to a closed-circuit magnetic sensor or a monitored door lock that has door sensor (or lock sensor) outputs to monitor the open or closed state of a door.
- Lock Action ：(3 options)
  Choose Door Re-lock Time, Door Always Unlocked, and Door Always Locked.
- Tamper Alarm：
  If the device is vandalized, the tamper alarm will beep immediately and won't go off until it's switched off by Administrator.
- Door Re-lock Time ：
  6 seconds by default. Edit the Door Re-lock Time interval between 1 to 1800 seconds.
- Auto Proximity Range ：
  Adjust Auto Proximity Range here. The range is between 0 to maximum 20 and it may have different results under different circumstances.
- Device Time ：
  Make sure the Device Time is precisely synced with your current time zone to have correct and precise access data and information.
- About us ：
  View Device Models, App version, Website and E-Mail information.
- Firmware version ：
  See Firmware version of your Bluetooth Access Control Keypads/Readers.
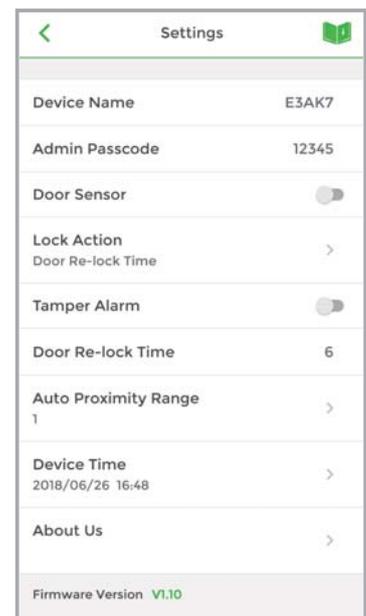
Software App Operations

4. User's "Settings" Page Introduction

Tap "Settings" to view or change setting functions in User's "Settings" Page. (See Figure 7 below)

- Device Name：User can only view the Device Name. (See Figure 8 below)
- Auto Proximity Range：User can adjust Auto proximity range between 0 to maximum 20 to access. May have different results under different circumstances. (See Figure 9 below)
- About Us：View Device models, App version, Website information.
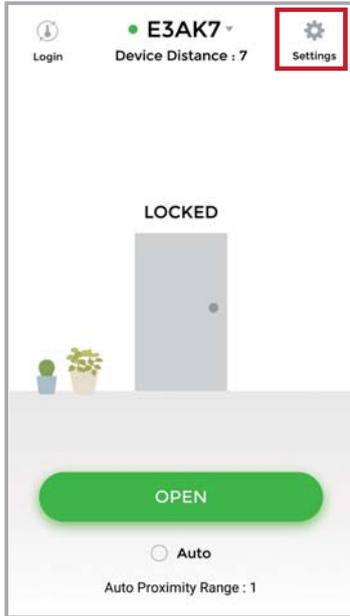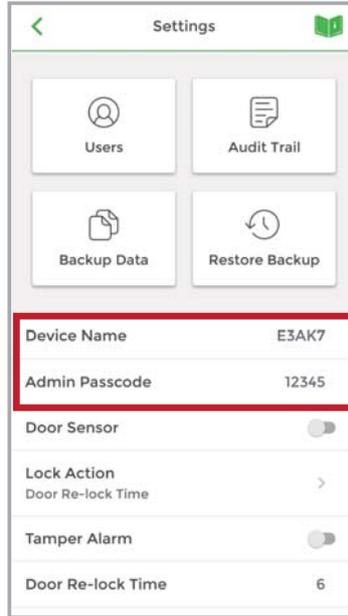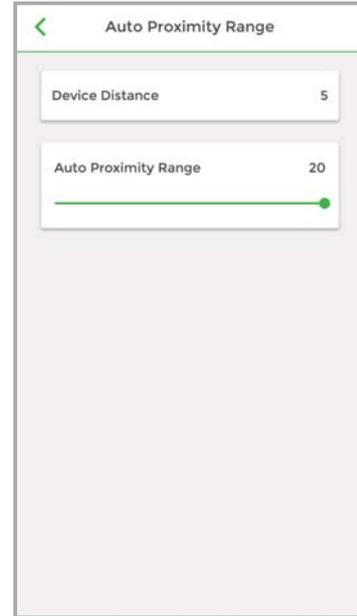
| Figure 7 | Figure 8 | Figure 9 |

Operation Instructions

Note :

Stand next to the E3AK7 or E3AK8 Bluetooth keypad when you want to connect the Smartphone to unlock or login, the Bluetooth keypad can detect signal up to 50 meters (164 ft) distance. The response time of Bluetooth signal may vary depend on various mobile device models.

Bluetooth range up to 50 meters (164 ft)

Keypad Passcode Access
After login is complete, you can enter your Passcode plus "#" to unlock the door.

For example :
If yout passcode is 12345, enter 1 2 3 4 5 #.

7