Summit Control 25-K2HID Cellular Access Control System With Keypad Installation Guide

Summit Control 25-K2HID Cellular Access Control

System With Keypad Installation Guide

Model **25-K2HID**

1 Unpack box and make sure you have all items shown here.

START HERE

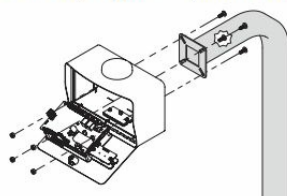| Ascent Unit | 24-V AC/DC Adapter | Key | Carriage Bolt (4x) | Hex Nut (4x) | Screwdriver |

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2 Unlock and open unit faceplate for mounting, wiring, and setup.

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3 Mount unit to pedestal using included mounting hardware. (This step may be completed later.)

What's what?

All important components labeled

Unit shown with faceplate fully open. Internal wiring not shown for clarity.
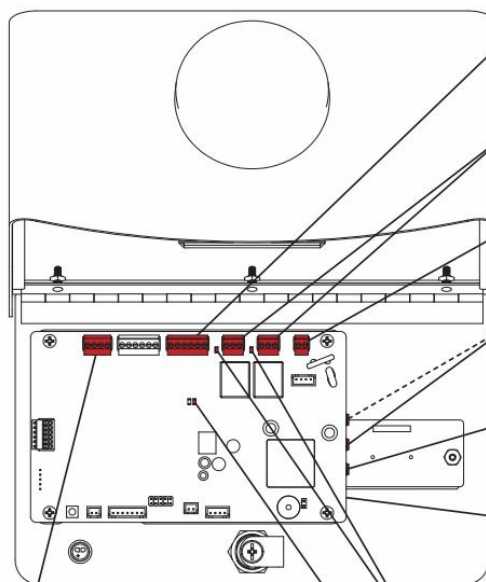
Wiegand Terminals
For wiring to Wiegand device. See **Page 2**.

Relay Terminals
For wiring to gate operator or door opener. See **Page 2**.

Power Terminals
For wiring to included power supply. See **Page 2**.

Cellular Antenna Jacks
Jack marked with dashed line is backup jack and not used.

WiFi/Bluetooth Antenna Jack

SIM Card
Located on left side of lower circuit board. Press in gently to eject.

Digital Input Terminals
For connecting accessory devices. Scan **QR code on next page** for wiring instructions.

Relay Status LEDs
Relay is active when lit

Power Indicator LED

4 Connect wires

Feed wires through back of unit, and connect as shown using included screwdriver.

Consult gate/door opener manual for exact connections.

Terminals vary widely across manufacturers and models.

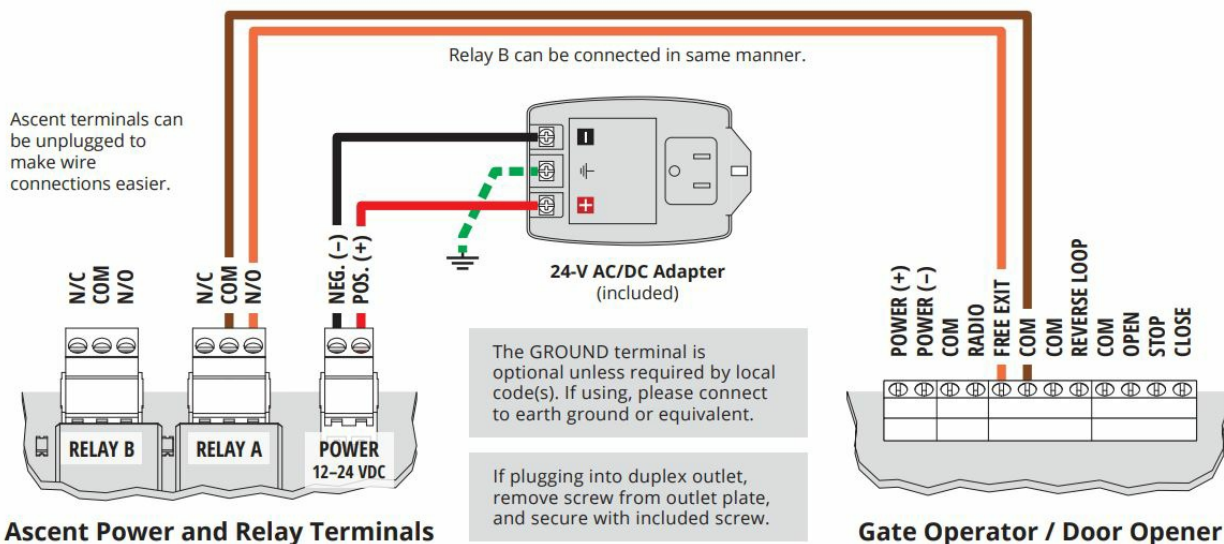Additional wiring diagrams can be found below and online.

We recommend using 18-gauge stranded wire for all connections.

Relay B can be connected in same manner.

Ascent terminals can be unplugged to make wire connections easier.

24-V AC/DC Adapter
(included)

The GROUND terminal is optional unless required by local code(s). If using, please connect to earth ground or equivalent.

If plugging into duplex outlet, remove screw from outlet plate, and secure with included screw.

N/C COM N/O — N/C COM N/O — NEG. (−) POS. (+)

RELAY B · **RELAY A** · **POWER** 12–24 VDC

Ascent Power and Relay Terminals

POWER (+) · POWER (−) · COM · RADIO · FREE EXIT · COM · COM · REVERSE LOOP · COM · OPEN · STOP · CLOSE

Gate Operator / Door Opener

5

Key in temporary code 2012 on keypad and confirm gate opens. If it does, close and lock unit faceplate.

2 0 1 2

Adding and deleting codes is done through Summit Control and **NOT** from keypad on unit!

✓

INSTALLATION COMPLETE!

Now follow the **Activation Guide** to create an account and begin using Ascent.

A Wiegand Device

Feed wires through back of unit, and connect as shown using included screwdriver.

These terminals are used to connect a Wiegand device such as a card reader or Wiegand keypad.

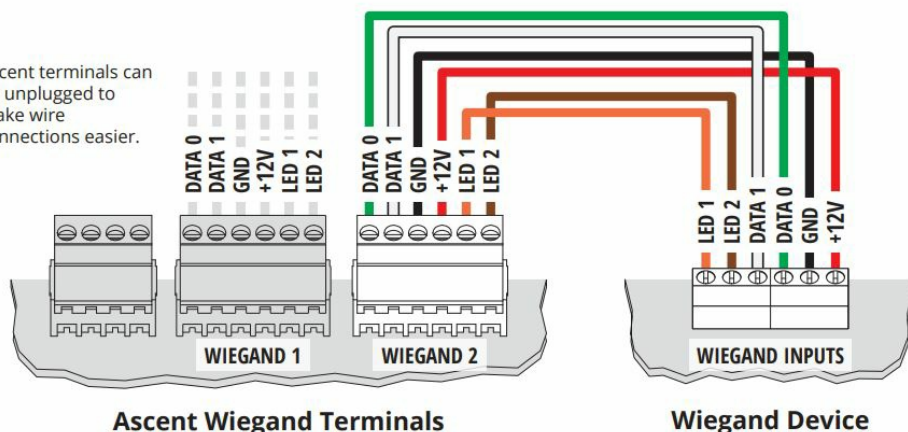The Wiegand 1 terminals are already being used by the onboard card reader.

Need More?

Use the QR code below to get access to more resources, including how-to videos and additional wiring diagrams for connecting accessory devices.
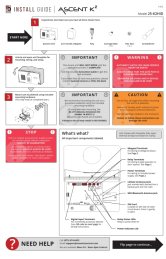
Ascent terminals can be unplugged to make wire connections easier.

DATA 0 · DATA 1 · GND · +12V · LED 1 · LED 2 — DATA 0 · DATA 1 · GND · +12V · LED 1 · LED 2

WIEGAND 1 · **WIEGAND 2**

Ascent Wiegand Terminals

LED 1 · LED 2 · DATA 1 · DATA 0 · GND · +12V

WIEGAND INPUTS

Wiegand Device

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Documents / Resources

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25-K2HID, 25-K2HID Cellular Access Control System With Keypad, 25-K2HID, Cellular Access Control System With Keypad, Access Control System With Keypad, Control System With Keypad, Keypad

References

- **User Manual**