ASCENT C² **QUICK START** GUIDE

SECURITY BRANDS

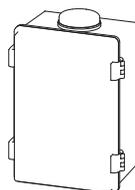Model **25-C2**

START HERE

1 Carefully unpack box and make sure you have all items shown below.

Ascent Unit

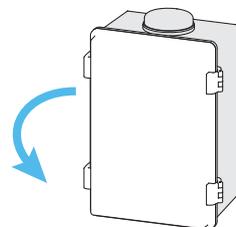12-V AC/DC Adapter
(PS-12DC1)

⚠ IMPORTANT!

We recommend mounting Ascent C2 inside the gate operator or other weatherproof enclosure when possible.

If mounting inside a metal enclosure, two (2) **Ascent 10' Cable Extension (p/n 16-X-EXT)** products should be purchased and installed.

Failure to do so may result in no signal!

2 Unlatch and swing open door of unit for wiring and setup.

Continued on next page...

⚠ IMPORTANT!

Ascent **WILL NOT WORK** until the activation process is **COMPLETE**!

Follow the **Activation Guide** or call **Summit Control** at **(844) 259-8265** to activate your unit.

❗ WARNING!
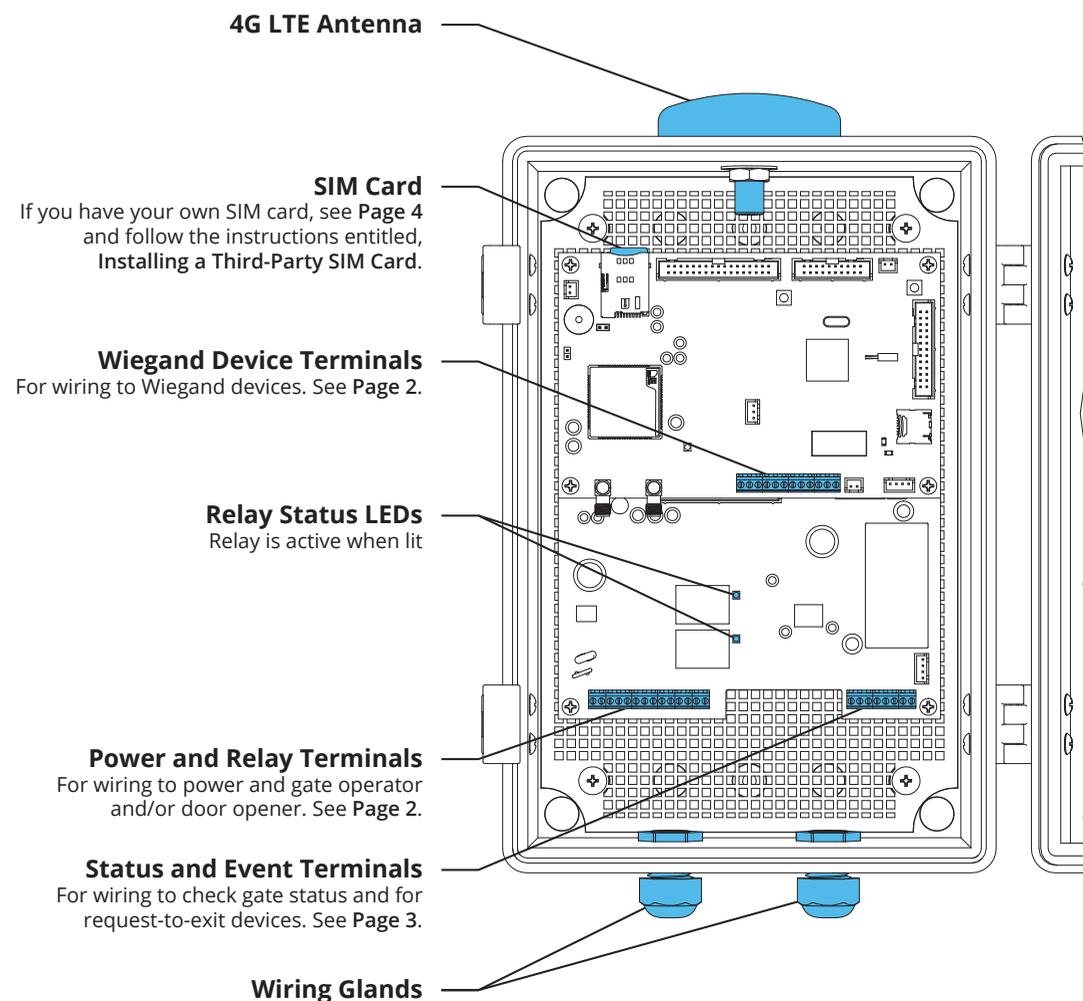
AUTOMATIC GATES CAN CAUSE SERIOUS INJURY OR DEATH!

ALWAYS CHECK that the **GATE PATH IS CLEAR BEFORE OPERATING**!

Reversing or other safety devices should **ALWAYS BE USED**!

What's what?

Important components labeled

Unit shown with door fully open.
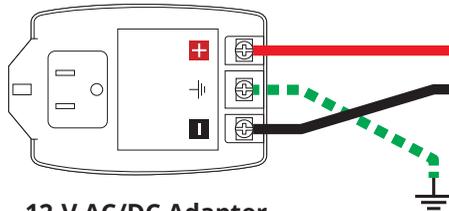Internal wiring not shown for clarity.

4G LTE Antenna

SIM Card
If you have your own SIM card, see **Page 4** and follow the instructions entitled, **Installing a Third-Party SIM Card.**

Wiegand Device Terminals
For wiring to Wiegand devices. See **Page 2**.

Relay Status LEDs
Relay is active when lit

Power and Relay Terminals
For wiring to power and gate operator and/or door opener. See **Page 2**.

Status and Event Terminals
For wiring to check gate status and for request-to-exit devices. See **Page 3**.

Wiring Glands

3 Connect wires

Feed wires through cable gland(s) on unit and connect as shown.

Tighten cable-gland locknut(s).

Close and latch door of unit when wiring is complete.

Additional wiring diagrams can be found on **Page 3**.

Ascent Power and Relay Terminals

12–24 VAC/DC
POWER   **RELAY A**   **RELAY B**   **DIGITAL INPUTS**

J3 | J4 | J5 | J8 | J9 | J12

POS. (+) | NEG. (−) | N/O | COM | N/C | N/O | COM | N/C | # 1 | GND | # 2 | GND | # 3 | GND

Gate Operator / Door Opener

12–24 VAC/DC
POWER

POS. (+) | NEG. (−) | COM | RADIO | COM | FREE EXIT | COM | REVERSE LOOP | COM | OPEN | STOP | CLOSE

Relay B can be wired to a second device in same manner.

Consult gate operator or door opener manual for exact connections.

Terminals vary widely across manufacturers and models.

12-V AC/DC Adapter
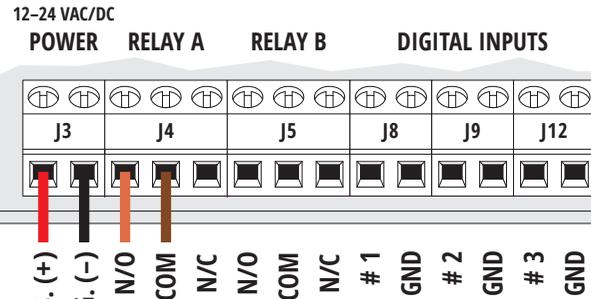(Model PS-12DC1 included)

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.
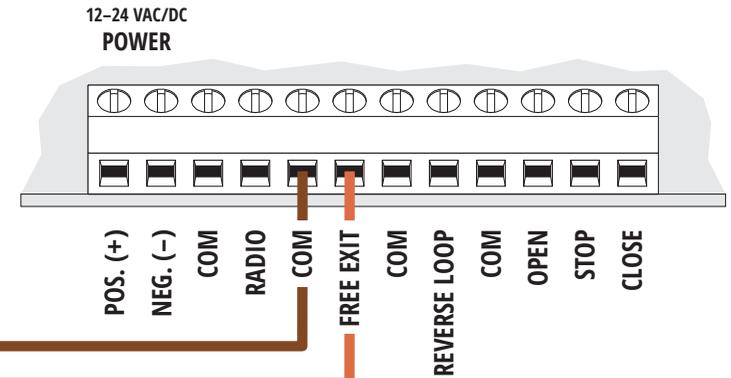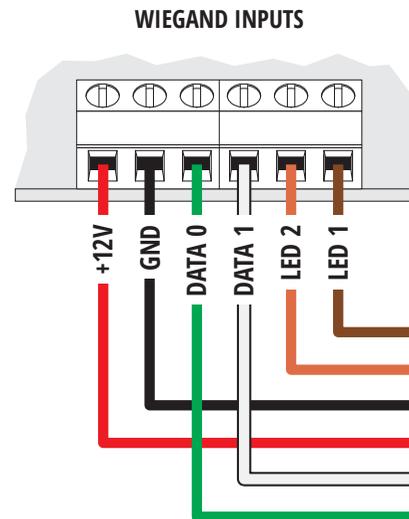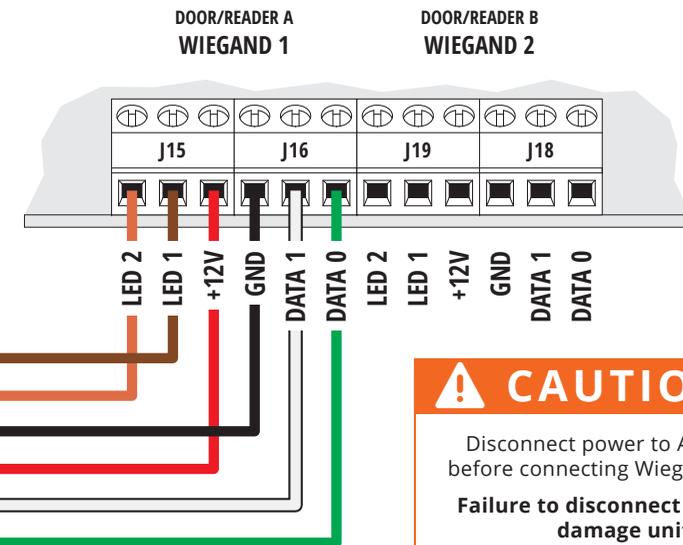
OR

Third-Party 12–24-VAC/DC Power Source

+   −

Wiring to Wiegand Devices

Wiegand Device

WIEGAND INPUTS

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

Ascent

DOOR/READER A
WIEGAND 1

DOOR/READER B
WIEGAND 2

J15 | J16 | J19 | J18

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

⚠ CAUTION!

If you will not be using the 12-V AC/DC adapter, please go to **Page 4** and follow the procedure, **Using a Third-Party Power Source**.

Do not exceed 24 VAC/DC! Failure to choose a compatible power source can damage unit!

✓ INSTALLATION COMPLETE!

Now follow the **Activation Guide** to create an account and begin using Ascent powered by Summit Control.

⚠ CAUTION!

Disconnect power to Ascent unit before connecting Wiegand devices.

Failure to disconnect power can damage unit!
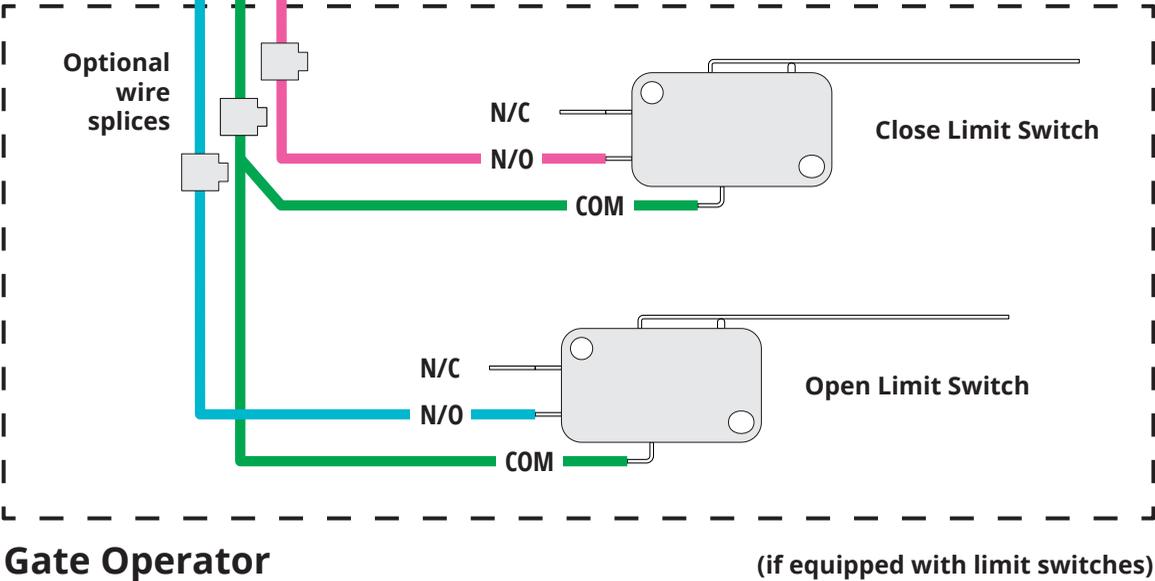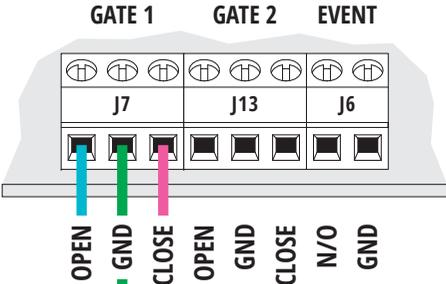
A Status Check

Wiring to enable Gate Status Check

Ascent Status and Event Terminals

GATE 1   GATE 2   EVENT

J7   J13   J6

OPEN GND CLOSE OPEN GND CLOSE N/O GND

Optional wire splices

N/C
N/O
Close Limit Switch
COM

N/C
N/O
Open Limit Switch
COM

Gate Operator

(if equipped with limit switches)

⚠ **CAUTION!**

The Status Terminals are designed for low voltage (**3 V or less**). Check the voltage on your status wires before connecting. If it is above 3 V, you will need to contact **Technical Support**.

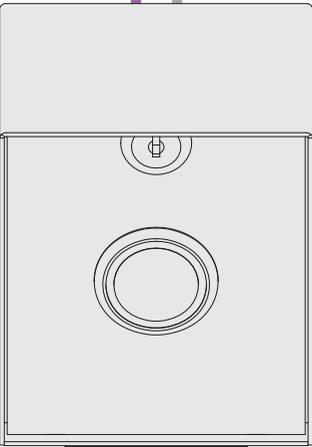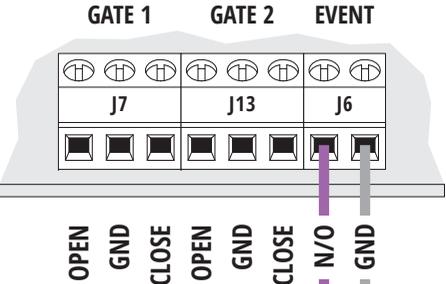**Exceeding 3 V can damage unit!**

B Event Input

Wiring for accessories such as a request-to-exit device

Ascent Status and Event Terminals

GATE 1   GATE 2   EVENT

J7   J13   J6

OPEN GND CLOSE OPEN GND CLOSE N/O GND

Request-to-Exit
(**S-RTE-P** is shown)

ASCENT C² QUICK START GUIDE

Model **25-C2**

Using a Third-Party Power Source (Optional)

> **(!) IMPORTANT!**
>
> If you would like to use a third-party power source, such as solar, verify that it conforms to the following specs:
>
> | | |
> |---|---|
> | **Input** | 12–24 VAC/DC
no more than 10% beyond this range |
> | **Current Draw** | less than 180 mA @ 12 VDC
less than 150 mA @ 24 VDC |
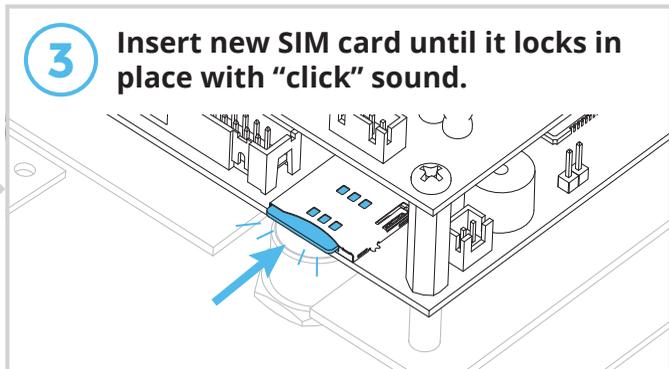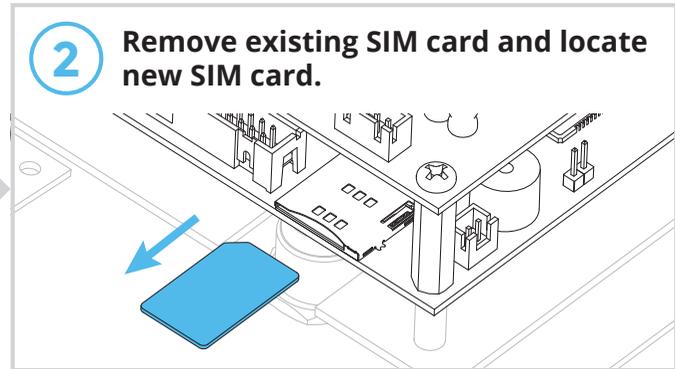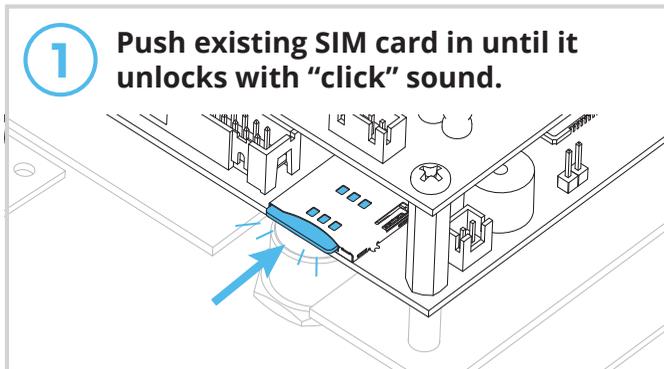
3a Connect wires to unit as shown in Step 3.

3b Connect wires to your power source, making sure you connect positive to positive and negative to negative.

> **⚠ CAUTION!**
>
> Double check that you've wired from positive on Ascent to positive on your power source and negative on Ascent to negative on your power source.
>
> **Reverse polarity can damage Ascent!**

Installing a Third-Party SIM Card (Optional)

1 Push existing SIM card in until it unlocks with "click" sound.

2 Remove existing SIM card and locate new SIM card.

3 Insert new SIM card until it locks in place with "click" sound.

? NEED HELP

Call **(844) 259-8265**

Email **support@summitcontrol.com**

We are available **Mon–Fri** / **8am–5pm Central**

SECURITY BRANDS INC™
your *partner* in access control