ASCENT C² **QUICK START** GUIDE
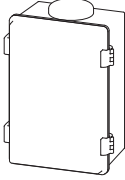
SECURITY BRANDS

START HERE

1 **Carefully unpack box and make sure you have all items shown below.** (Screwdriver not shown)

Ascent Unit

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

⊙ 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.

❗ STOP!

This is a cellular accessory for a gate/door, so an uninterrupted cellular connection **CANNOT BE GUARANTEED**.

An emergency egress or primary entry mechanism **SHOULD ALWAYS BE USED** (transmitter, fire box, mechanical release).

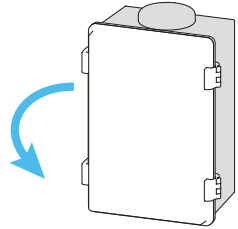Consult with your dealer, distributor, and/or system designer for more information.

❗ 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!**

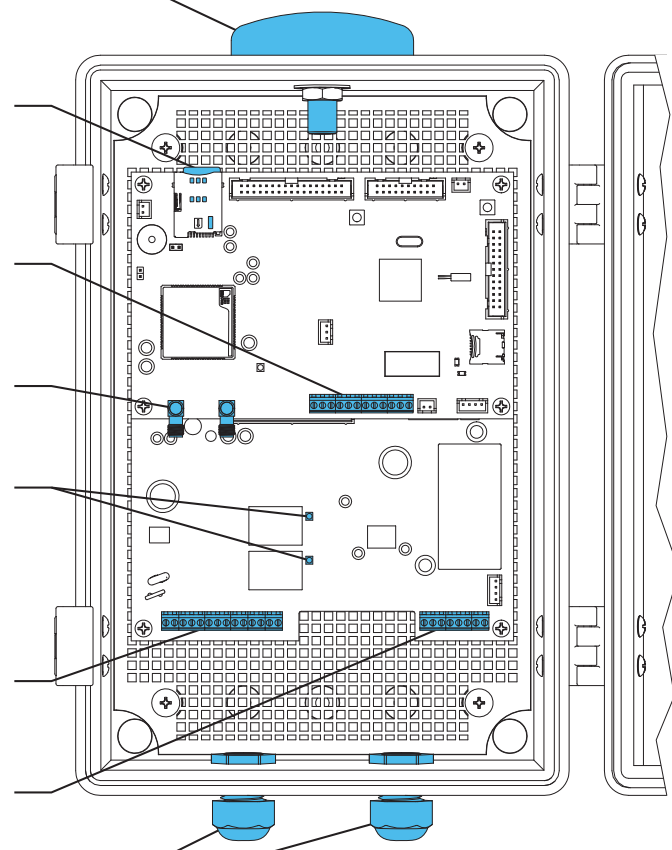**2** **Unlatch and swing open door of unit for wiring and setup.**

Continued on next page...

What's what?
Important components labeled

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

4G LTE Antenna

SIM Card

Wiegand Device Terminals
For wiring to Wiegand-compatible devices. See **Page 4**.

Antenna Jacks

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**.
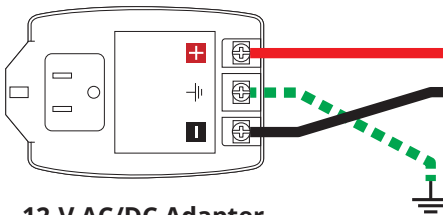
Wiring Glands

3 Connect wires

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

Excessive force can damage unit.

Tighten cable-gland locknut(s).

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

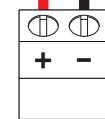POS. (+) NEG. (−) COM RADIO COM FREE EXIT COM REVERSE LOOP COM OPEN STOP CLOSE

If plugging into duplex outlet, remove screw from outlet plate, and secure with included screw.
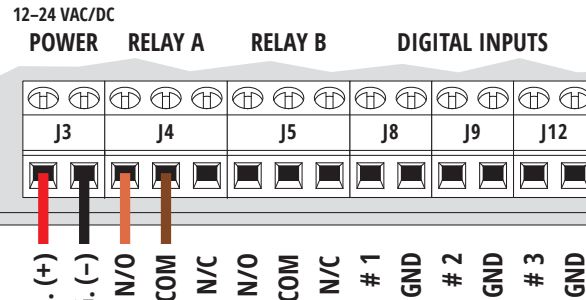
12-V AC/DC Adapter
(Model PS-12DC1 included)
The GROUND terminal is optional unless required by local code(s). If using, please connect to earth ground or equivalent.
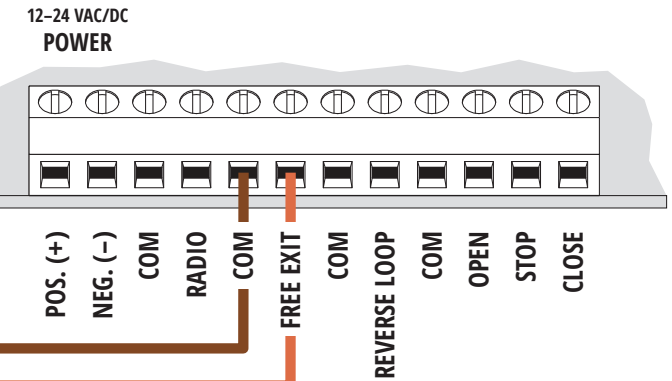
OR

Third-Party 12–24-VAC/DC Power Source
+ −

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

Consult gate operator or door opener manual for exact connections.

Terminals vary widely across manufacturers and models.

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

⚠ 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!

❗ STOP!

Before going forward, double check wiring and ensure unit has power!

For additional wiring options, see **Page 3**.

4 Tighten cable-gland locknut(s).
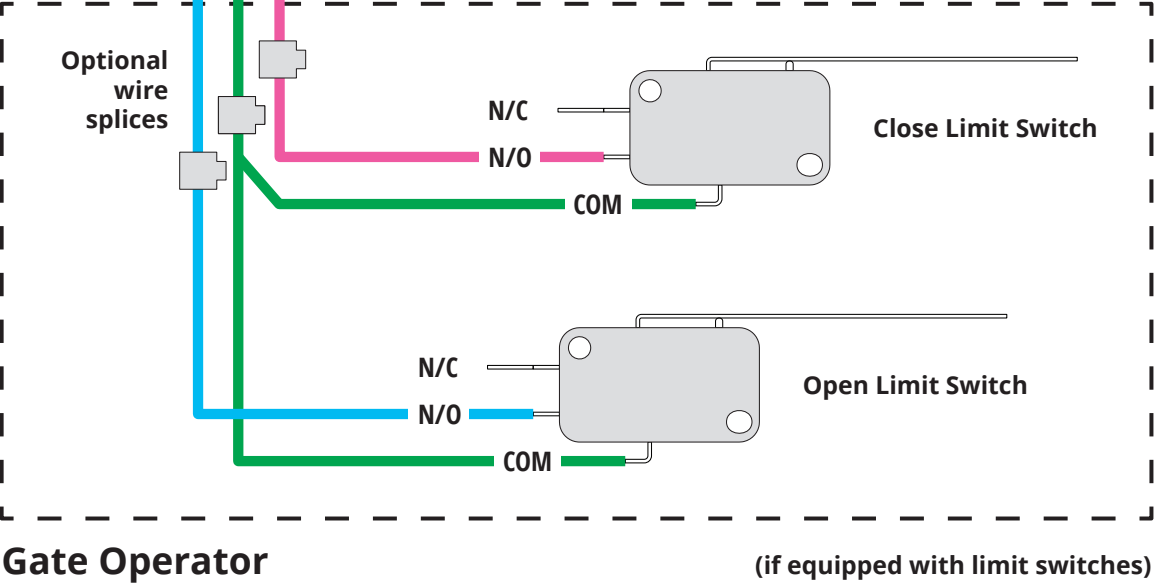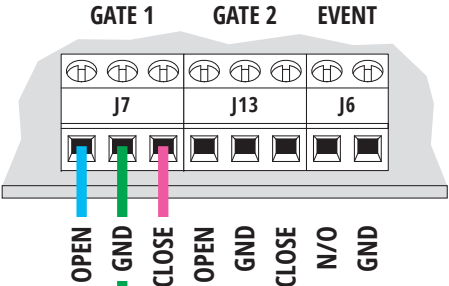
5 Close and latch door of unit.

✓ INSTALLATION COMPLETE!

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

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**.
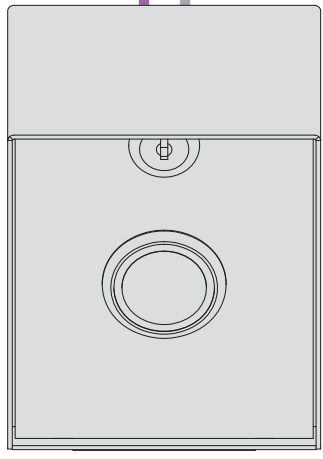
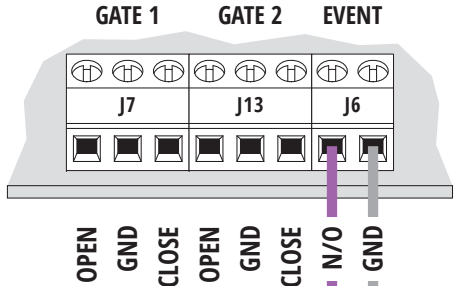**Exceeding 3 V can damage unit!**

ⓘ IMPORTANT!

Gate Status Check **WILL NOT WORK** with a decoder!

YOU MUST USE A DRY CONTACT!
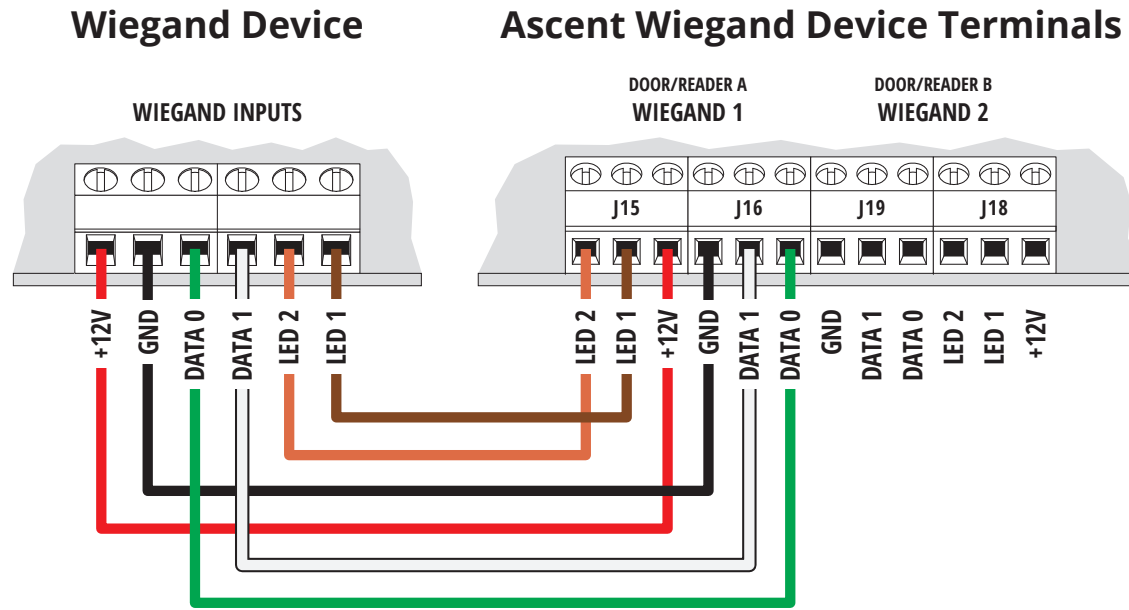
B Event Input

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)

C Wiegand Device
Wiring for Wiegand devices

Wiegand Device

WIEGAND INPUTS

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

Ascent Wiegand Device Terminals

DOOR/READER A
WIEGAND 1

DOOR/READER B
WIEGAND 2

J15 | J16 | J19 | J18

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

⚠ CAUTION!

Disconnect power to Ascent before connecting Wiegand devices.

Failure to disconnect power can damage unit!

ⓘ IMPORTANT!

If mounting Ascent inside a metal enclosure, the
**4G LTE Antenna Extension Kit
(p/n 16-ANTX-1)**
should be purchased and installed.

Failure to do so may result in NO SIGNAL!

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 260 mA @ 12 VDC
	less than 160 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 unit!

? 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

QSG-25C2-EN   Rev. G (5/2019)