INSTALL GUIDE | ASCENT C⁴

Model **25-C4**

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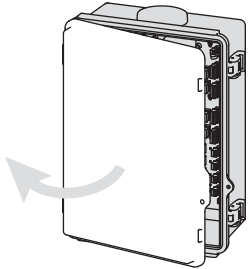
START HERE

Ascent Unit

24-V AC/DC Adapter

Screwdriver

2 Unlatch and open unit door for wiring and setup.

IMPORTANT

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

See the included **Activation Guide** to get this unit activated.

If you need help or have any questions, please contact **Summit Control** at **(972) 474-6422**.

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!

STOP

This is a cellular accessory for a gate or door. 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.

IMPORTANT

If mounting in a location that will shield the puck antenna, the **4G LTE Antenna Extension Kit (Model 16-ANTX-1)** should be purchased and installed.

Failure to do so may result in NO SIGNAL!

CAUTION

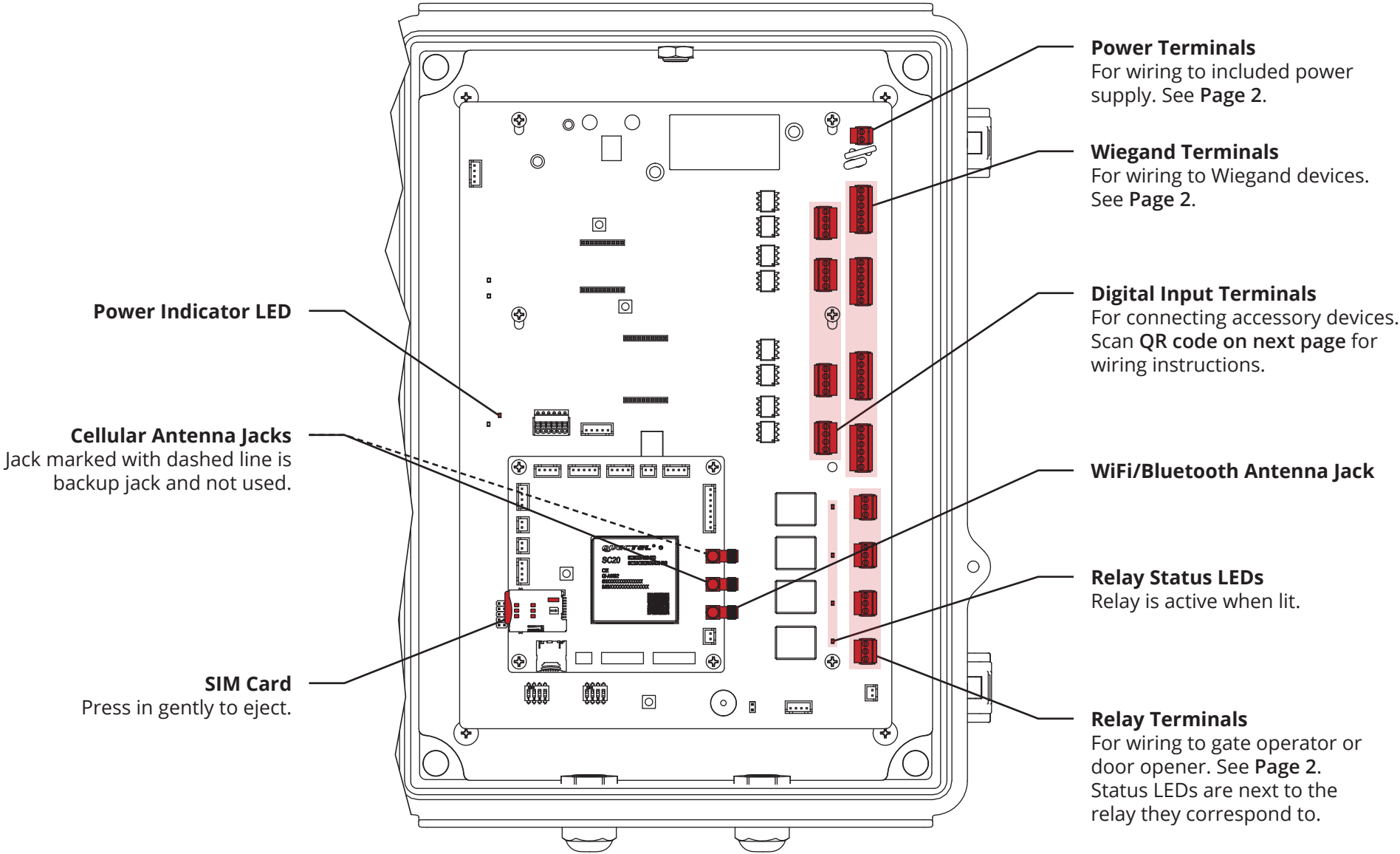Leave the "hockey puck" antenna in place even if using an antenna extension.

Seal all openings created in the enclosure.

Failure to follow these instructions can damage the unit!

What's what?
All important components labeled

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

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

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

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

Power Indicator LED

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

WiFi/Bluetooth Antenna Jack

Relay Status LEDs Relay is active when lit.

SIM Card Press in gently to eject.

Relay Terminals For wiring to gate operator or door opener. See **Page 2**. Status LEDs are next to the relay they correspond to.

NEED HELP

Call **(972) 474-6422**
Email **support@summitcontrol.com**
We are available **Mon–Fri / 8am–5pm Central**

Flip page to continue...

3 Connect wires

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

Consult gate/door opener manual for exact connections.

Terminals vary widely across manufacturers and models.

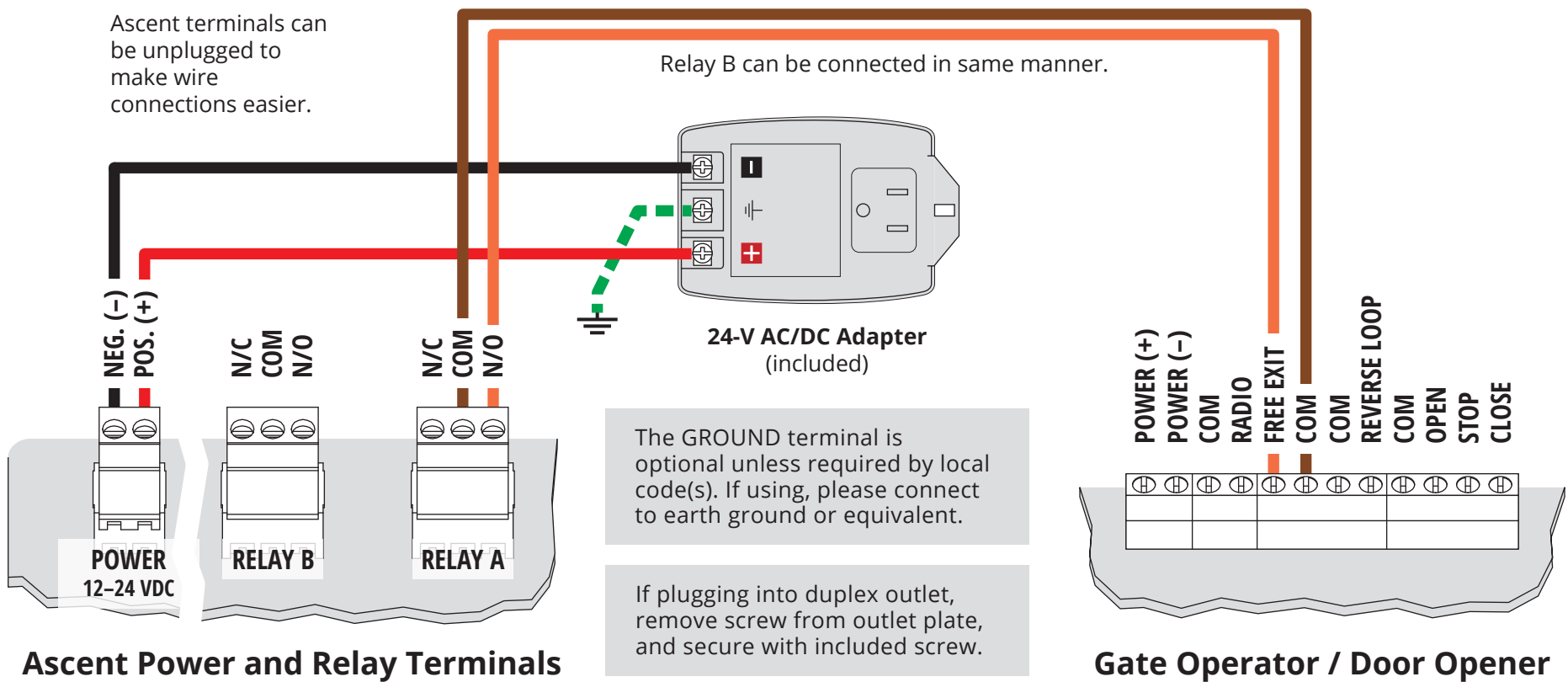Additional wiring diagrams can be found below and online.

⚠️ **CAUTION** ⚠️

When connecting the power supply, remember to connect positive to positive and negative to negative to avoid damage.

Reversing polarity can damage the unit and void the warranty!

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

Ascent terminals can be unplugged to make wire connections easier.

Relay B can be connected in same manner.

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.

NEG. (−) POS. (+) — **POWER** 12–24 VDC

N/C COM N/O — **RELAY B**

N/C COM N/O — **RELAY A**

Ascent Power and Relay Terminals

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

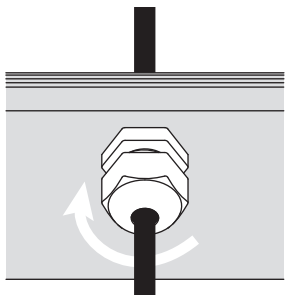**Gate Operator / Door Opener**

STOP ⚠️

Before going forward, double check all wiring and make sure the unit has power!

A wiring diagram for connecting to Wiegand devices can be found below.

For connecting accessories not mentioned, please scan the QR code on this page.

4

Tighten cable gland locknuts, and then close and latch door of unit.

✓

INSTALLATION COMPLETE!

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

A Wiegand Device

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

These terminals are used to connect a Wiegand device such as a card reader or keypad (**must be 26-bit Wiegand**).

Any set of Wiegand terminals can be used for wiring and then configured in Summit Control.
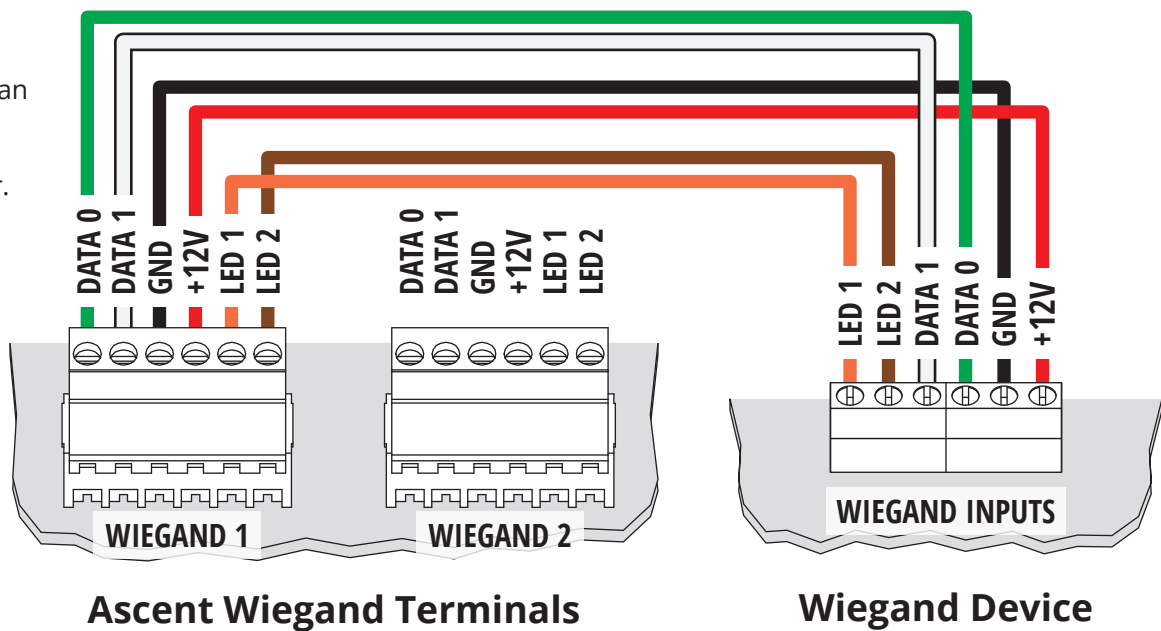
⚠️ **CAUTION** ⚠️

Disconnect power to the Ascent unit before connecting Wiegand devices.

Failure to disconnect power can damage the unit!

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 — **WIEGAND 1**

DATA 0 DATA 1 GND +12V LED 1 LED 2 — **WIEGAND 2**

Ascent Wiegand Terminals

LED 1 LED 2 DATA 1 DATA 0 GND +12V — **WIEGAND INPUTS**

Wiegand Device