

Entría Single-Door Controller: Enclosure Installation Guide



Updated November 2025





Contents

Device Overview.....	3
Connection Wiring	
VPN.....	4
Cellular	5
Standard Power Wiring.....	6
Solar Power Wiring.....	7
InHand Router.....	8
Wiring	
Blue Board.....	10
Wiegand.....	11
Gate Status from Gate Operator.....	11
Dry Contact Relay, Normally Open.....	12
Dry Contact Relay, Normally Closed.....	12
Wet Contact Relay, Normally Open.....	13
Wet Contact Relay, Normally Closed.....	13
Mounting to Pedestal.....	14
Device Grounding.....	15



Items Included

- Entría Unit
- 12 Volt / 5 amp Power Supply
- Customer Information Packet



Operating Temperatures

-20° to 55° C
-4° to 131° F

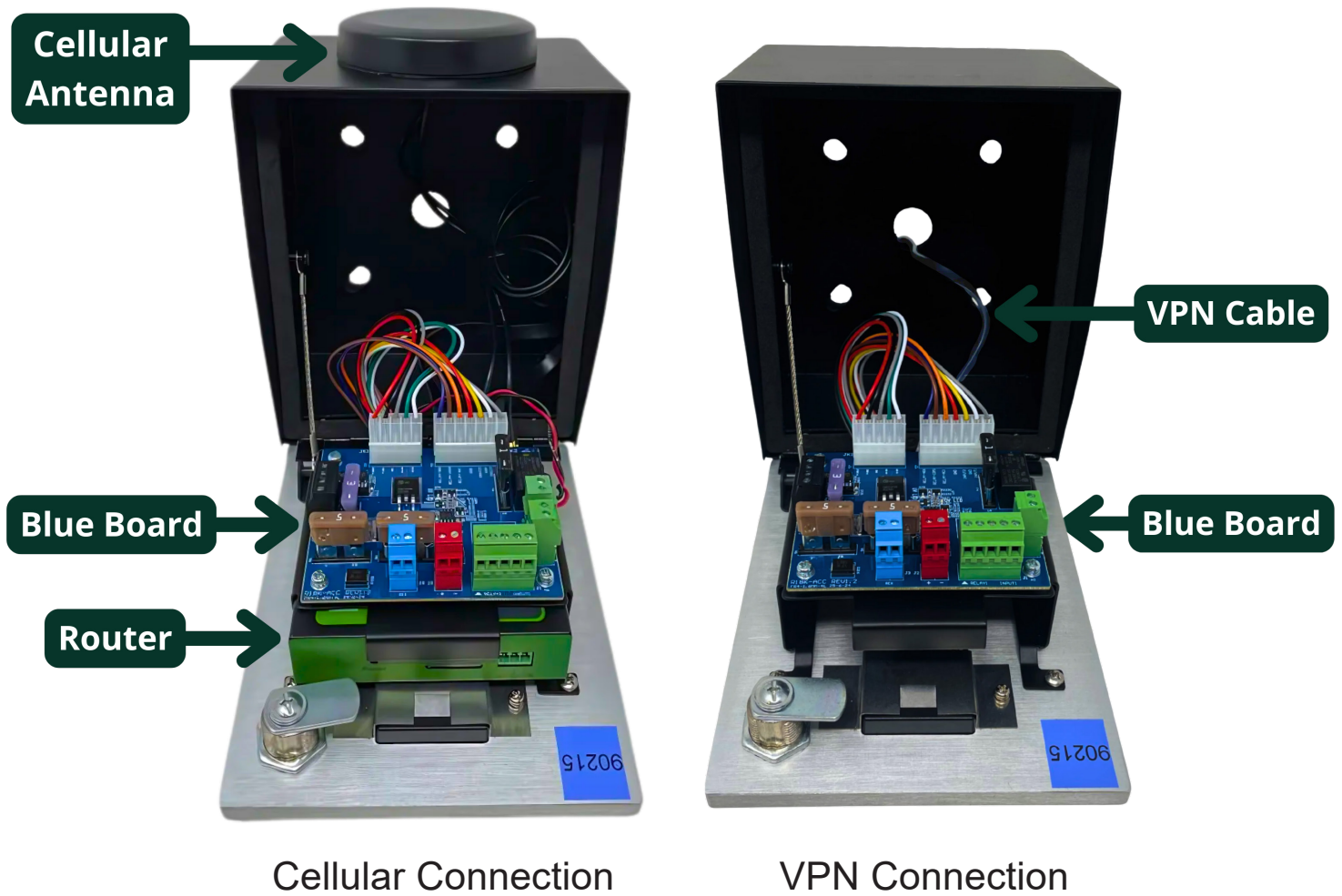
Power Wiring Guidelines	
Gauge Wire	Wire Run
18	25 feet
16	50 feet
12	60 feet

Required wiring: 6 conductor stranded and shielded for main device.

Pay attention to polarity. The system uses DC

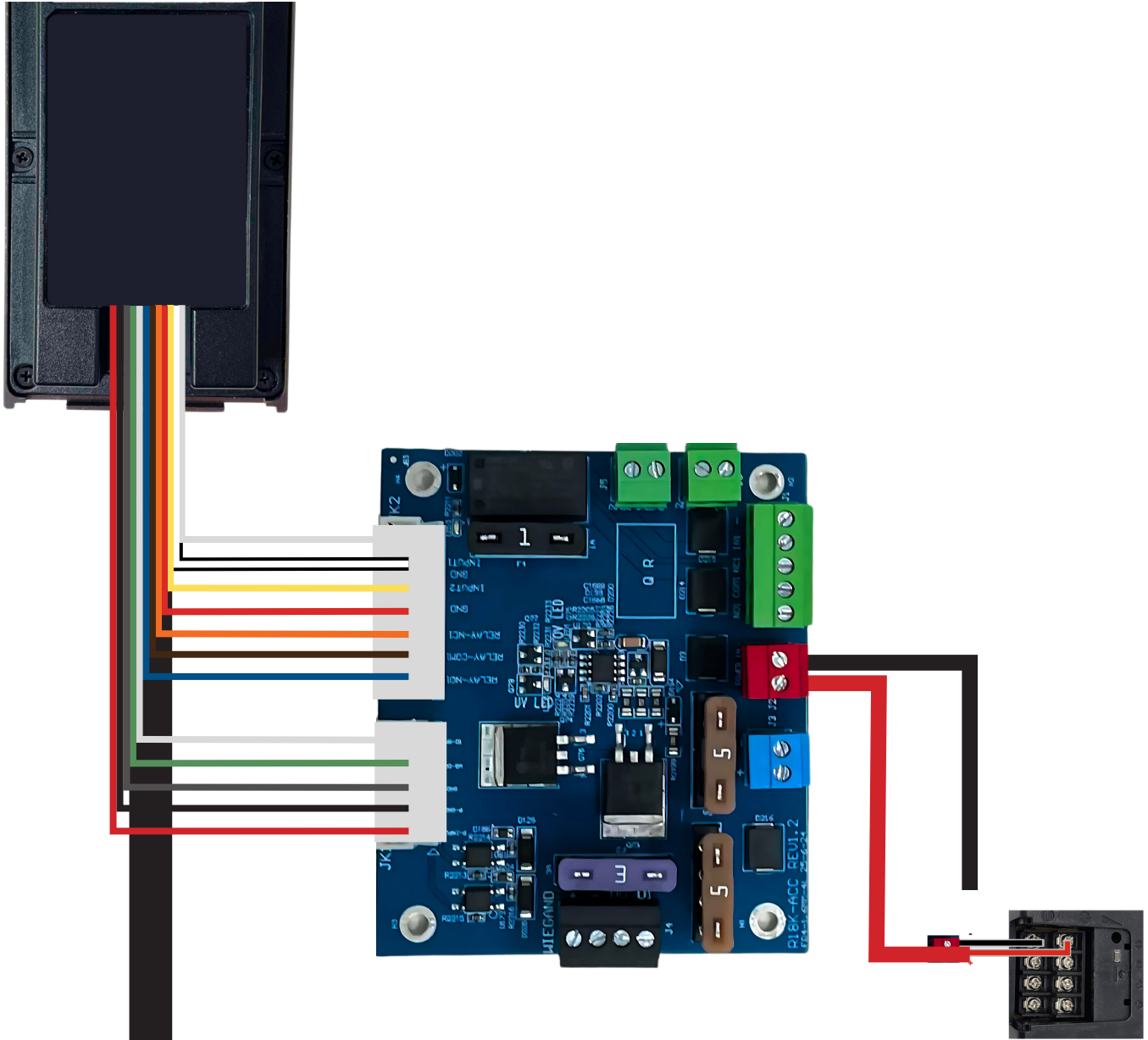


Device Overview





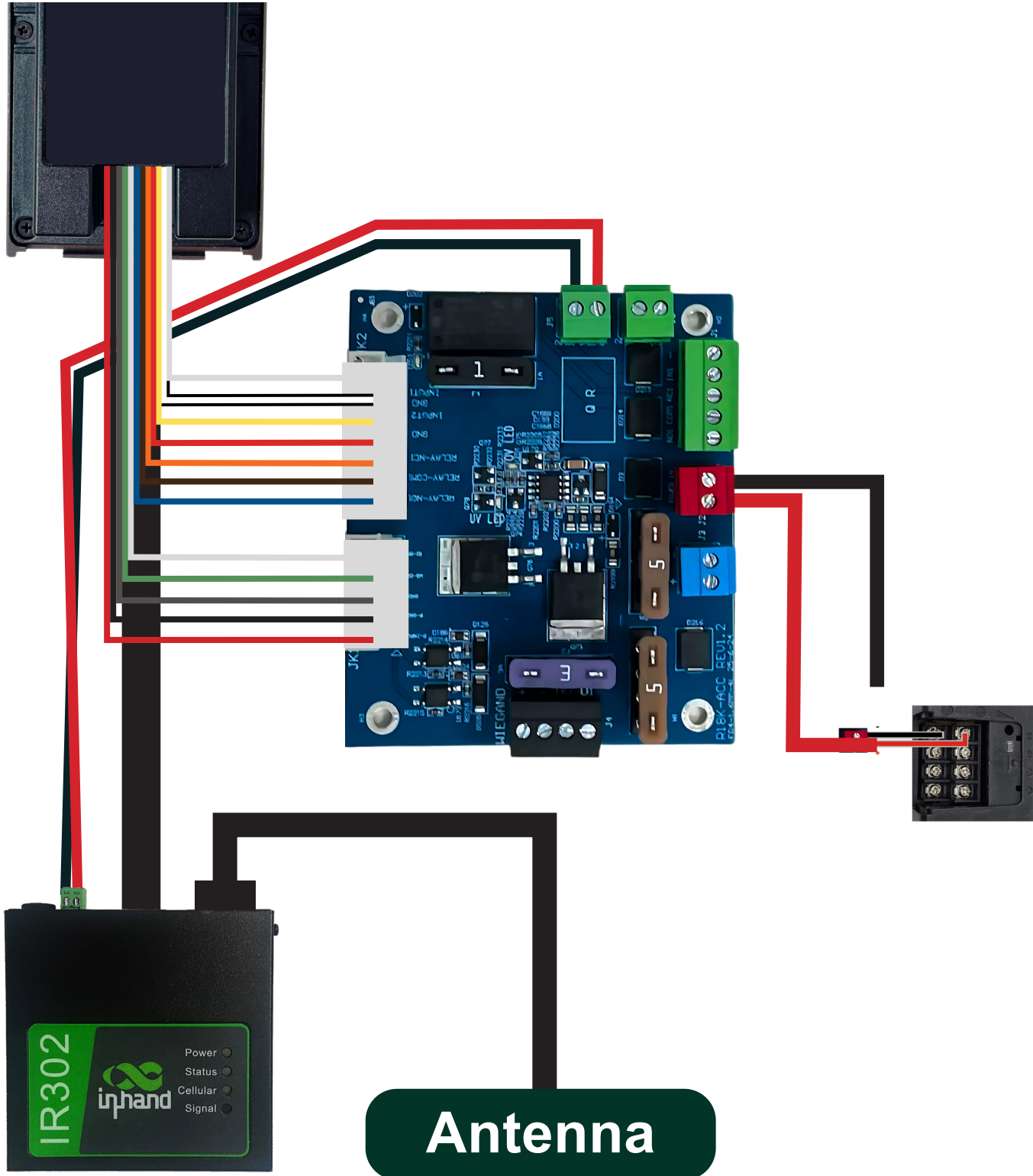
Enclosure Wiring Overview: VPN



Customer's Internet



Enclosure Wiring Overview: Cellular

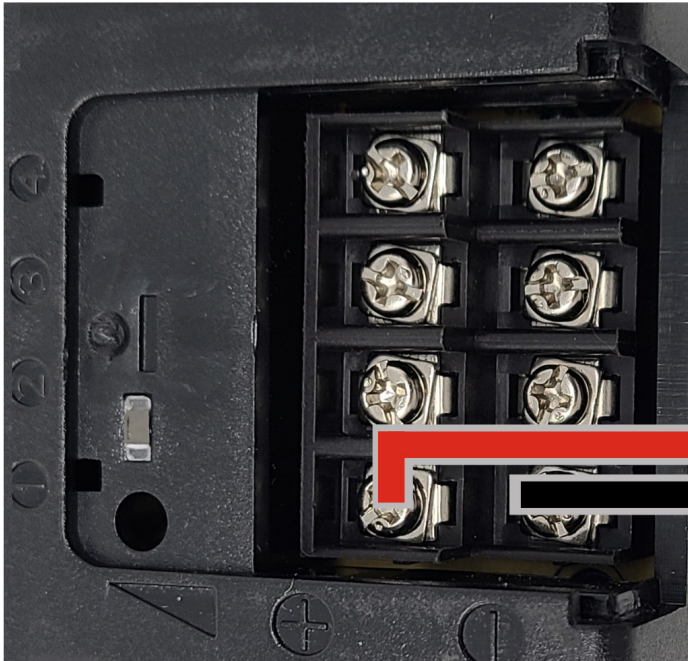




Standard Power Wiring

Most devices will be powered using the (PWR-200) 12V DC 5 Amp Transformer.

Ensure you wire the positive to the + and negative to the -



12 gauge wire will not fit in the red screw terminal for the power supply. You will need to splice it down to a thinner wire.



Use the Type-B *grounded* plug that is supplied with the transformer.



Solar Power Wiring

If your device is being powered by solar panels, the installation process will be as shown below.



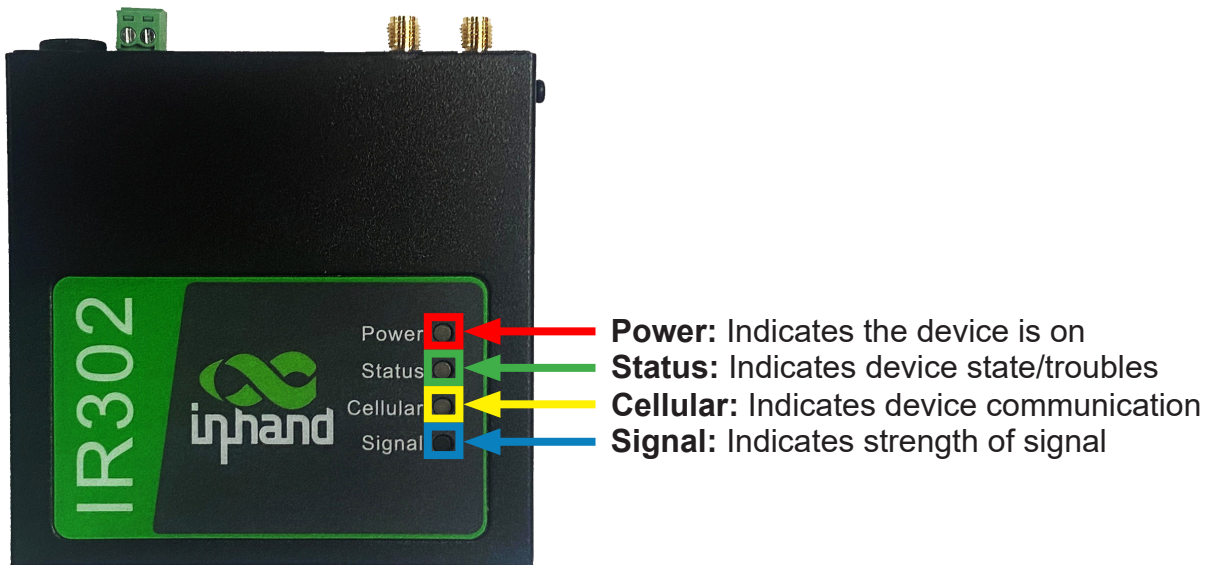
If connecting more than one battery, please contact CellGate Technical Support.



InHand Router

For Use in Single-Door Controller with Enclosure: E1ATT, E1VZN, E1HIDATT, E1HIDVZN

Product ID: M780



Power	Status	Cellular	Description
Off	Off	Off	Powered Off
On	Off	Off	System Failure
On	On	Off	Module or SIM Card Not Recognized
On	On	Blinking	Dialing
On	On	On	Dialing Success
On	Blinking	On	Upgrading
On	Blink > On	On	Reset

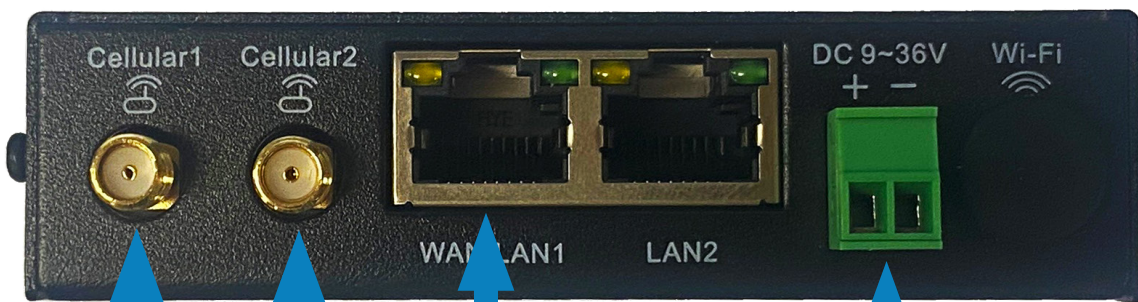
Signal	Description
Red	Signal 0 - 10 (Bad)
Yellow	Signal 11 - 20 (Decent)
Green	Signal 21 - 30 (Good)



Not for use with this device

Do not remove the SIM card tray unless specifically advised by tech support.

The SIM card tray contains both AT&T and Verizon SIM cards. They can only be swapped online by tech support.



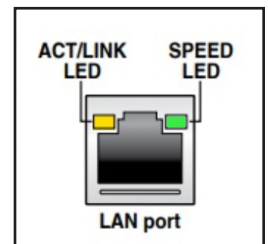
Cellular 1 & 2:
Directly connected to antenna

WAN / LAN1: Plugs into the device

Power Block: 12V DC is applied from the blue board

Activity	Description
Off	No Network Connection
On	Network Connection
Blinking	Network Activity

Speed	Description
Off	No Cell Connection
On	Cell Connection
Blinking	Cell Activity



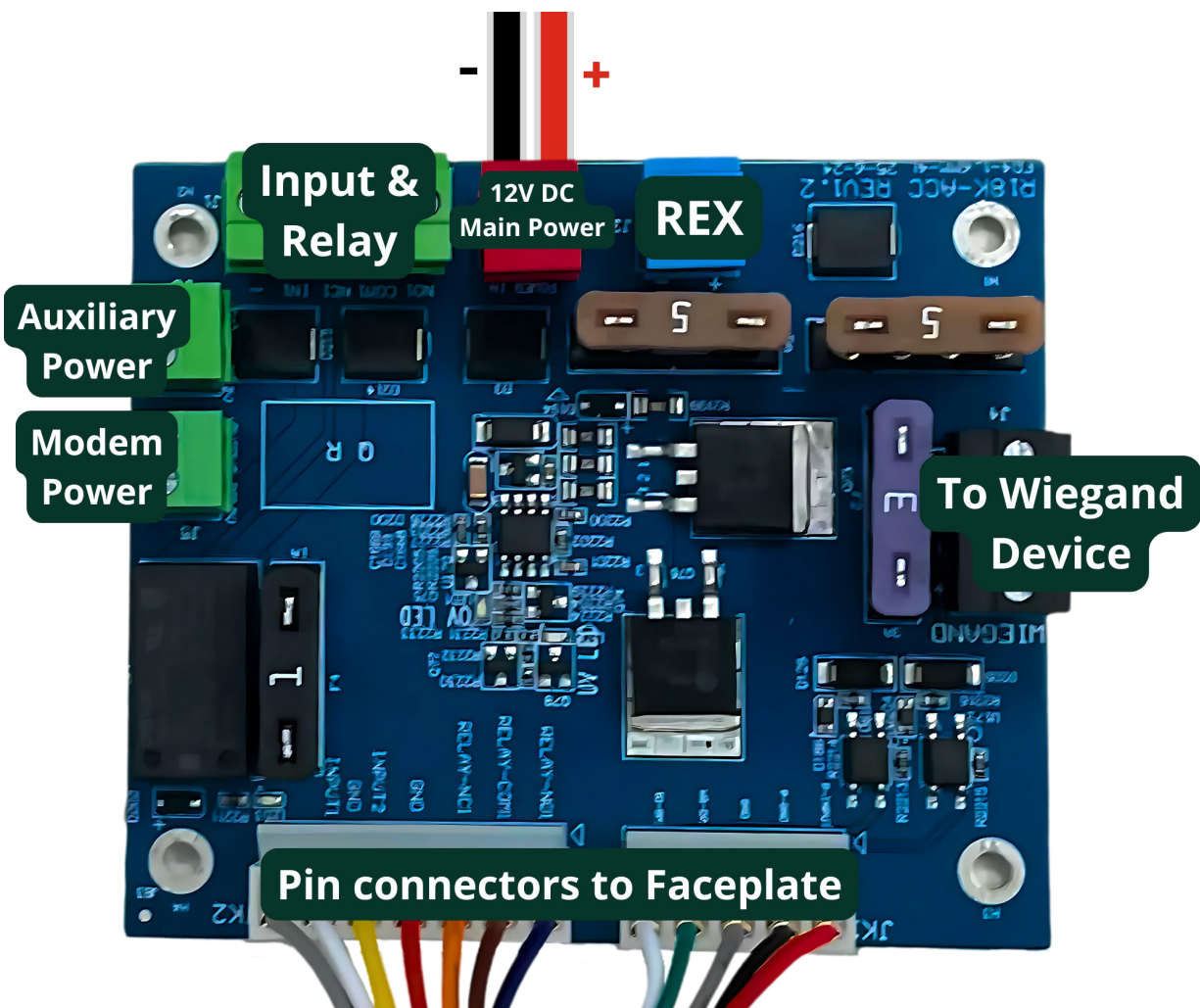


Blue Board

Below is the blue board inside the device. It provides power to the router and other accessories, such as cameras. It's also the central control interface between the device and the router.

- Wire main power from transformer to the power connector on the blue board.
- Connect gate trigger wires from the Normally Open (NO) and Common (C) to the free exit or exit terminals on the gate operator.
- Connect the gate status wires on the input and relay connector. And input the Dry Contact, Normally Closed (NC) relay to the magnetic switch on the gate operator.
- If using an additional 26-bit reader (keypad, card reader, RFID, or clicker), wire the device to the Wiegand connection on the blue board.

Activate using test credentials on the Activation and Test Process document.





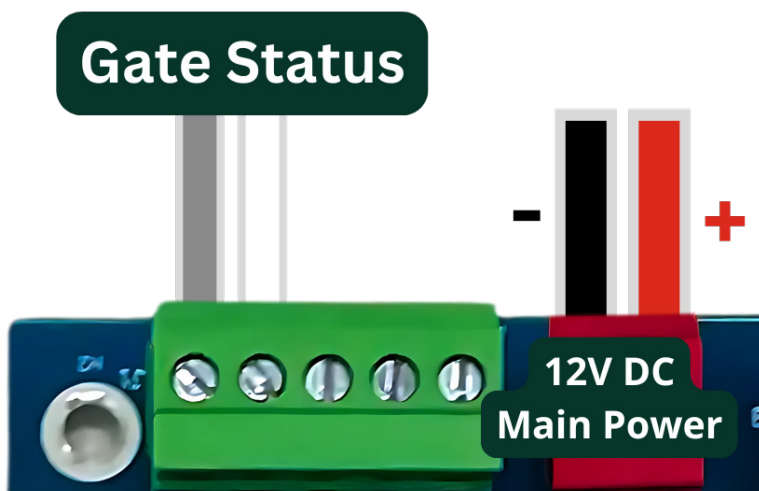
Wiegand Wiring

Required wiring: 18/4 conductor stranded and shielded for optional Wiegand devices.



Gate Status from a Gate Operator

You can monitor the status of the gate by wiring a dry contact output from the gate operator into an input on the blue board. You will likely need to program the output of the gate operator.

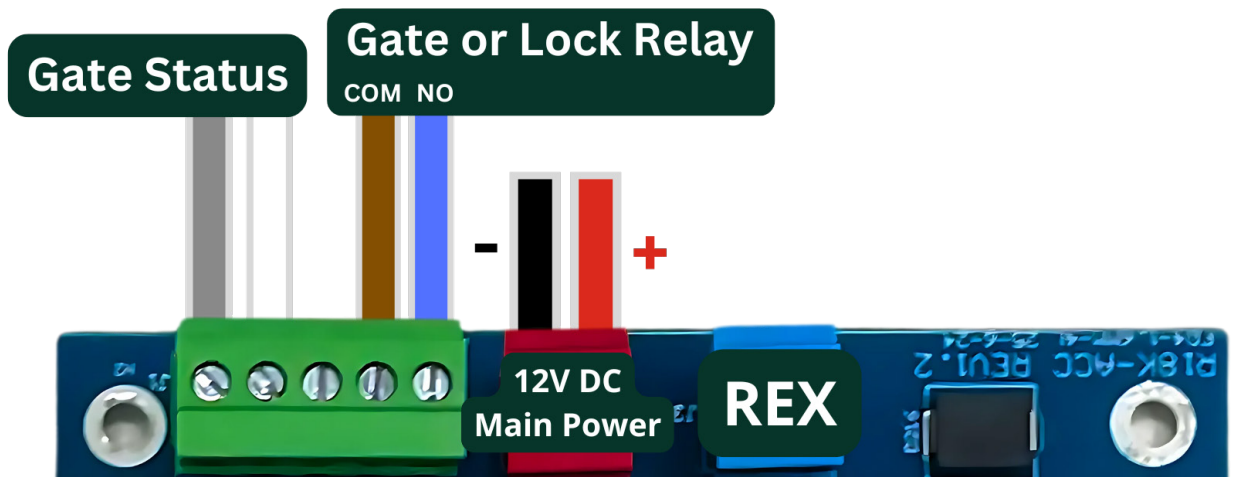


Warning: You must wire into a **DRY CONTACT** on the Gate Operator. Applying power to the input on the blue board will damage it.

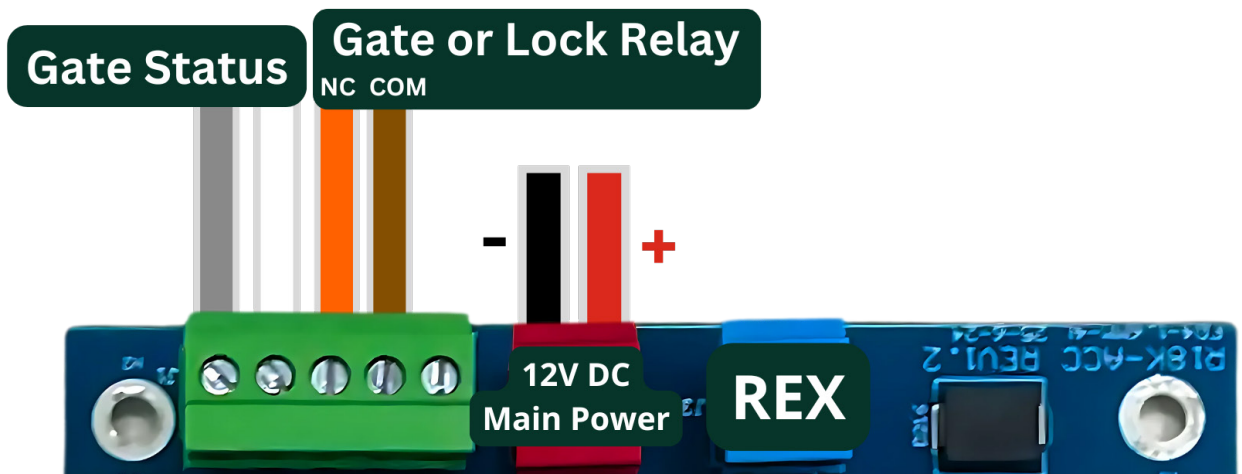
Gate statuses can be inverted. If needed, please call CellGate to invert.



Dry Contact Relay, Normally Open



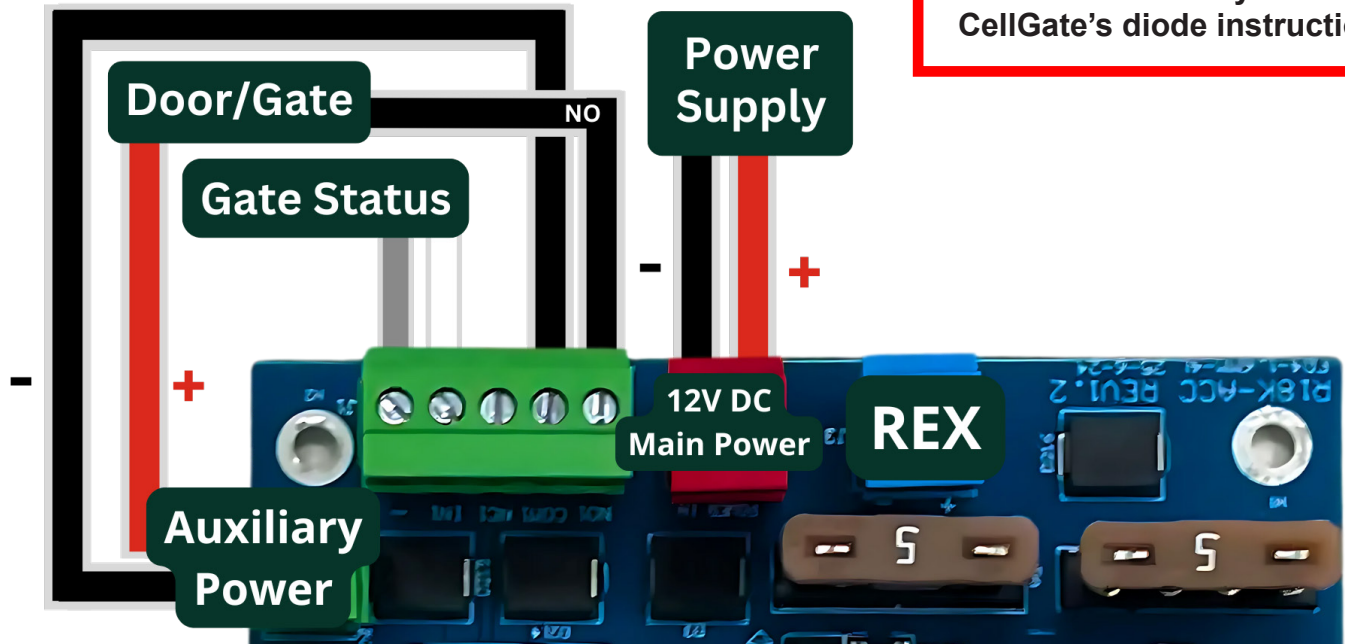
Dry Contact Relay, Normally Closed



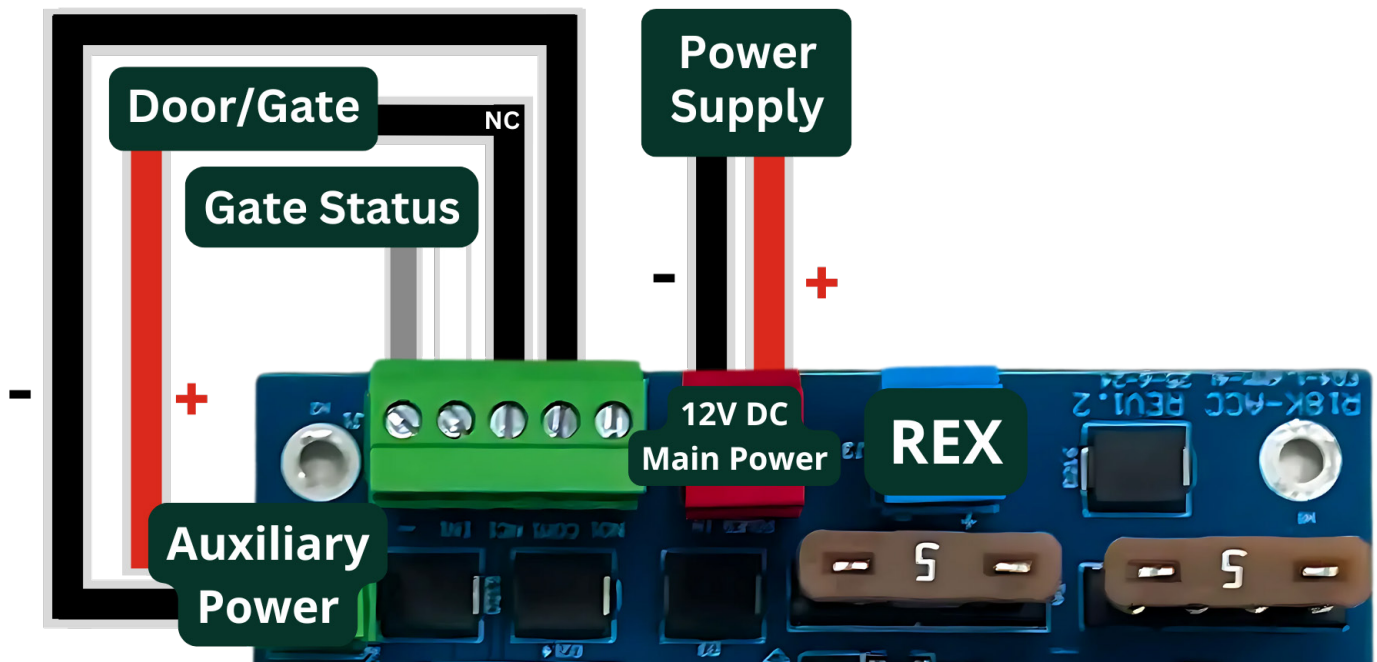


Wet Contact Relay, Normally Open

! You must use a diode to maintain warranty. Refer to CellGate's diode instructions.



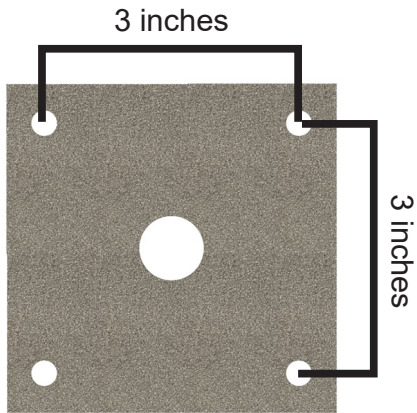
Wet Contact Relay, Normally Closed



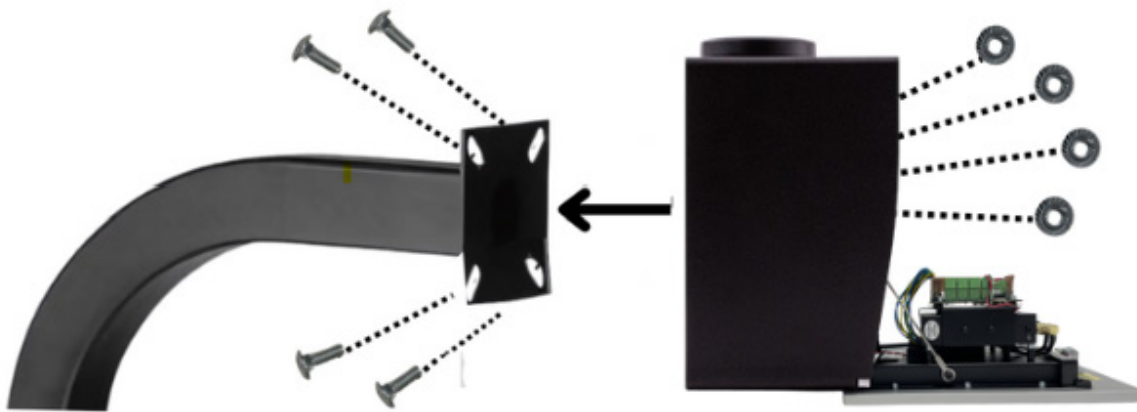
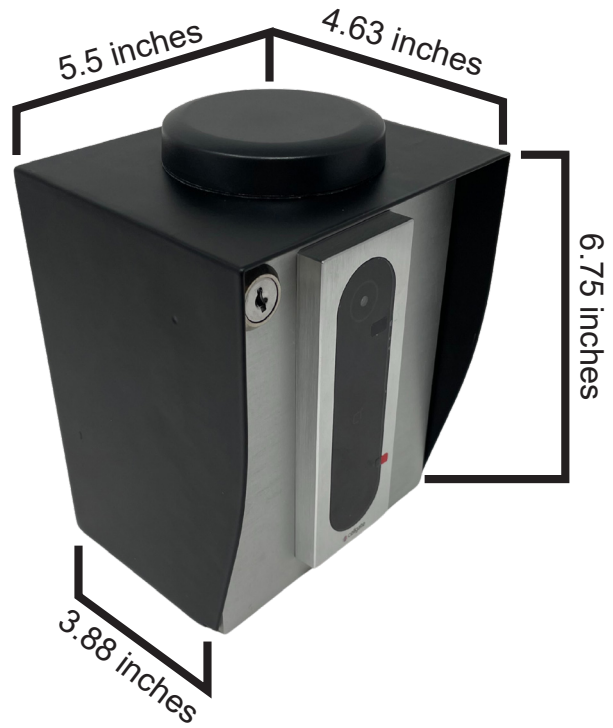


Mounting to Pedestal

Gasket is already attached to the back of the device.

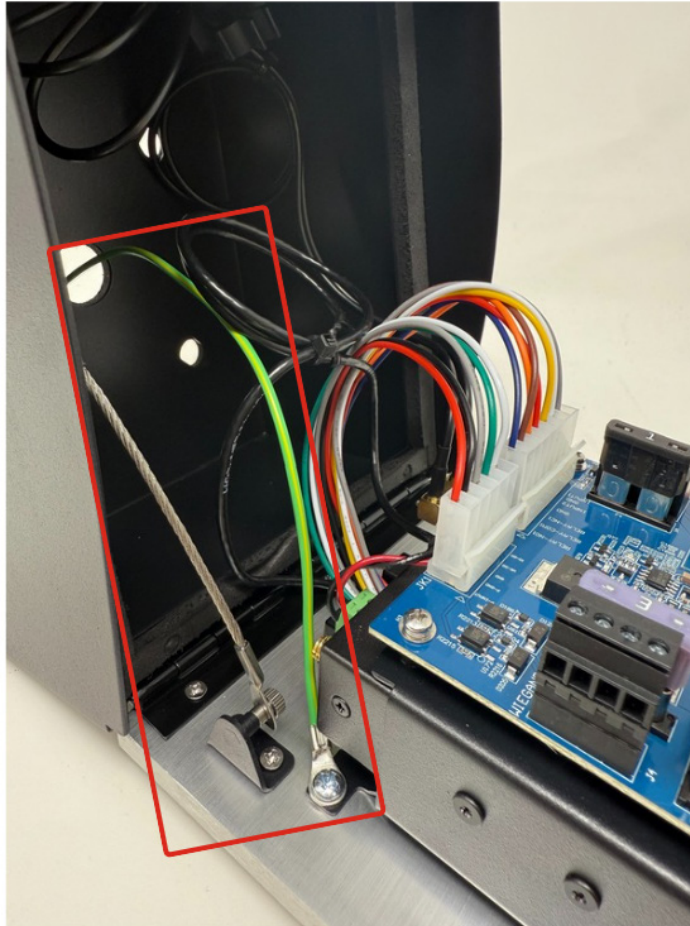


Corner holes are 5mm in diameter.





Device Grounding



The device includes a pre-attached 16-gauge grounding wire that must be connected to an appropriate ground.