



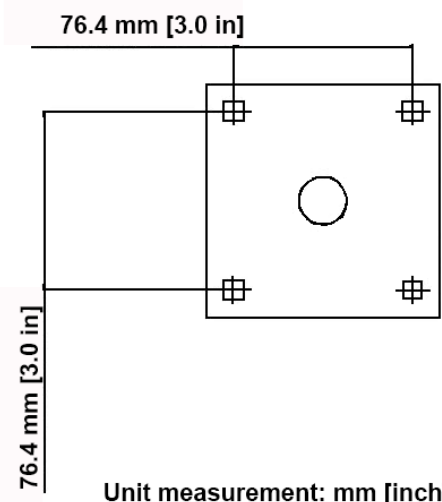
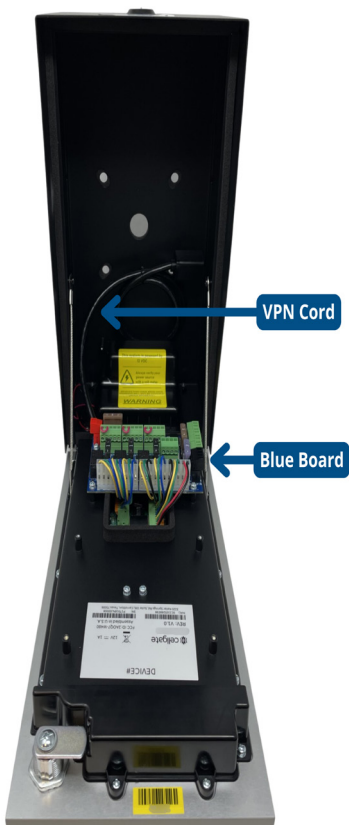
WATCHMAN®
Your Virtual Security Guard

by  cellgate

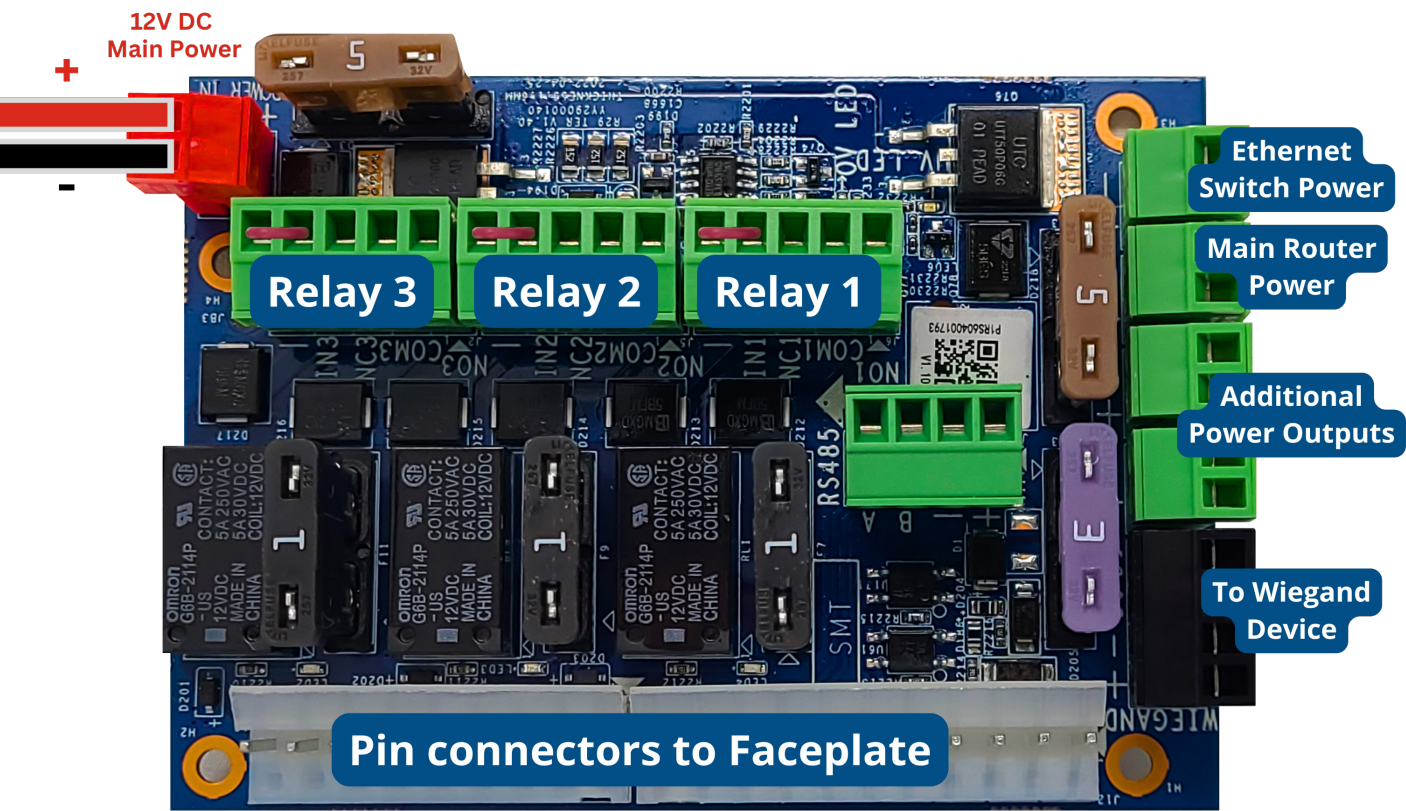
W452 Quick Installation Guide

Items Included in Kit

- Watchman 452 Unit
- Blue Board
- 12 Volt DC Power Supply
- Keys
- Nuts x 4
- Bolts x 4
- Customer Information Packet



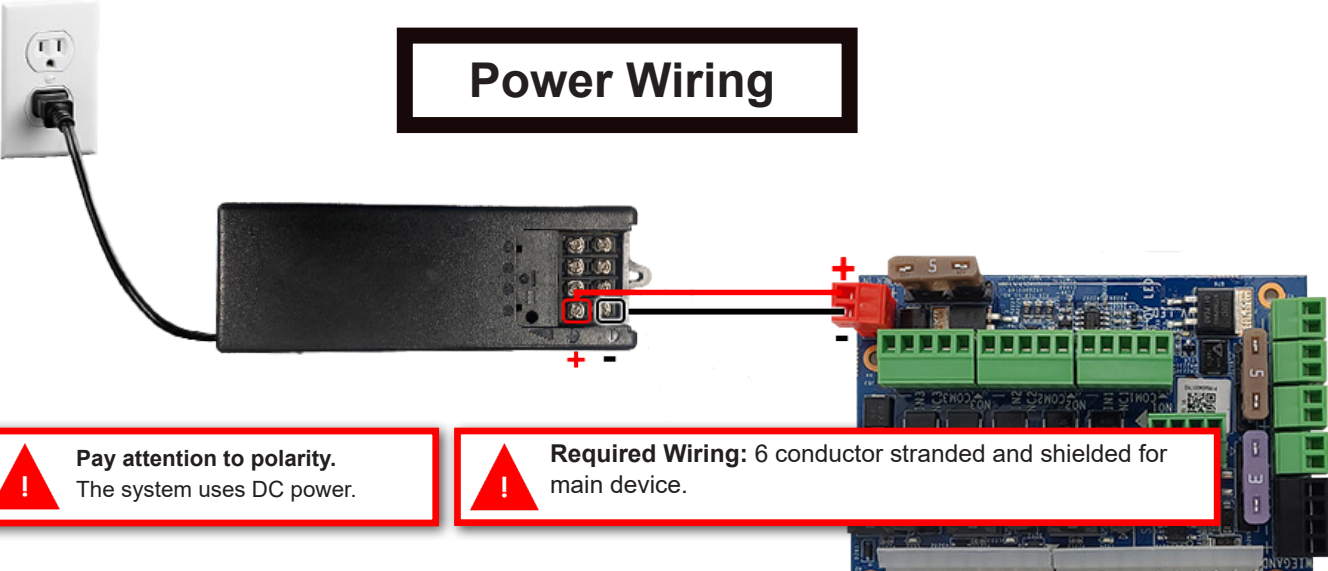
Main Board



Power Wiring Guidelines	
Gauge Wire	Wire Run (Distance)
18 Gauge	25 ft
16 Gauge	50 ft
12 Gauge	60 ft

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

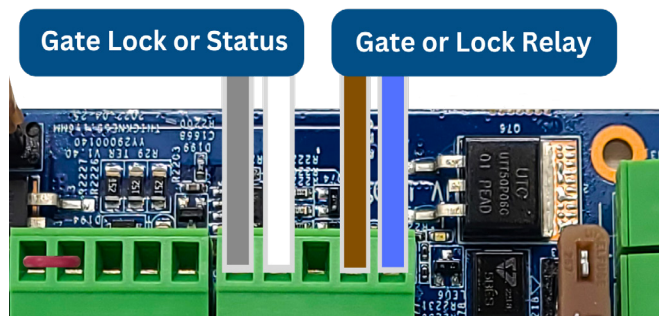
! The device includes a pre-attached 16-gauge grounding wire that must be connected to an appropriate ground.(Refer Installation document)



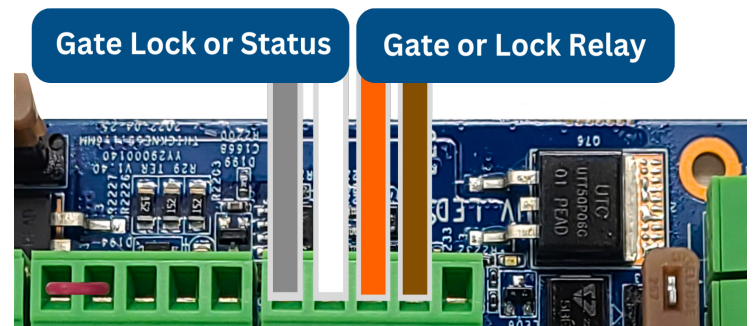
! Pay attention to polarity. The system uses DC power.

! Required Wiring: 6 conductor stranded and shielded for main device.

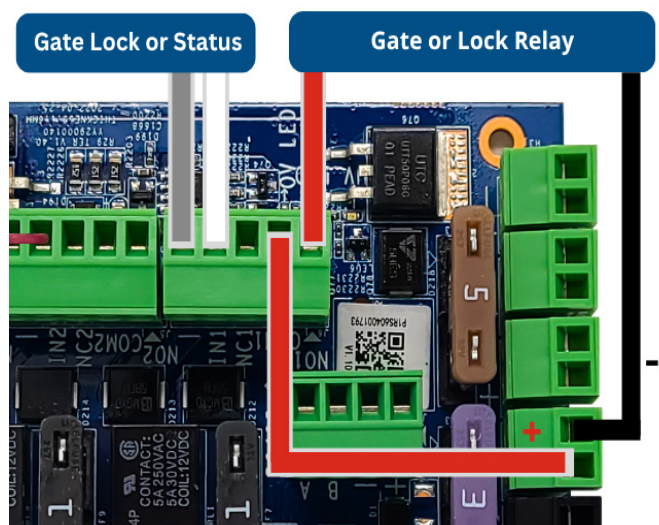
**Dry Contact Relay,
Normally Open Dry Contact**
No Voltage to Lock or Gate



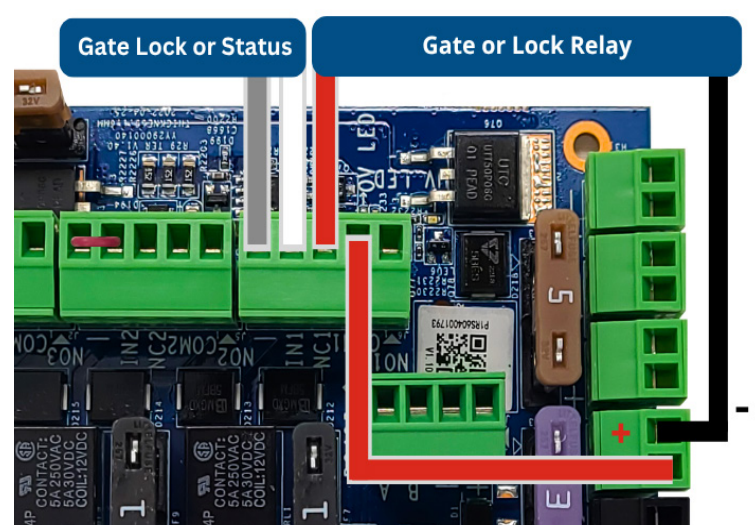
**Dry Contact Relay,
Normally Closed Dry Contact**
No Voltage to Lock or Gate



**Lock Requiring Constant 12 V:
Wet Contact Relay, Normally Open**
Door/lock opens (releases)
when power is added



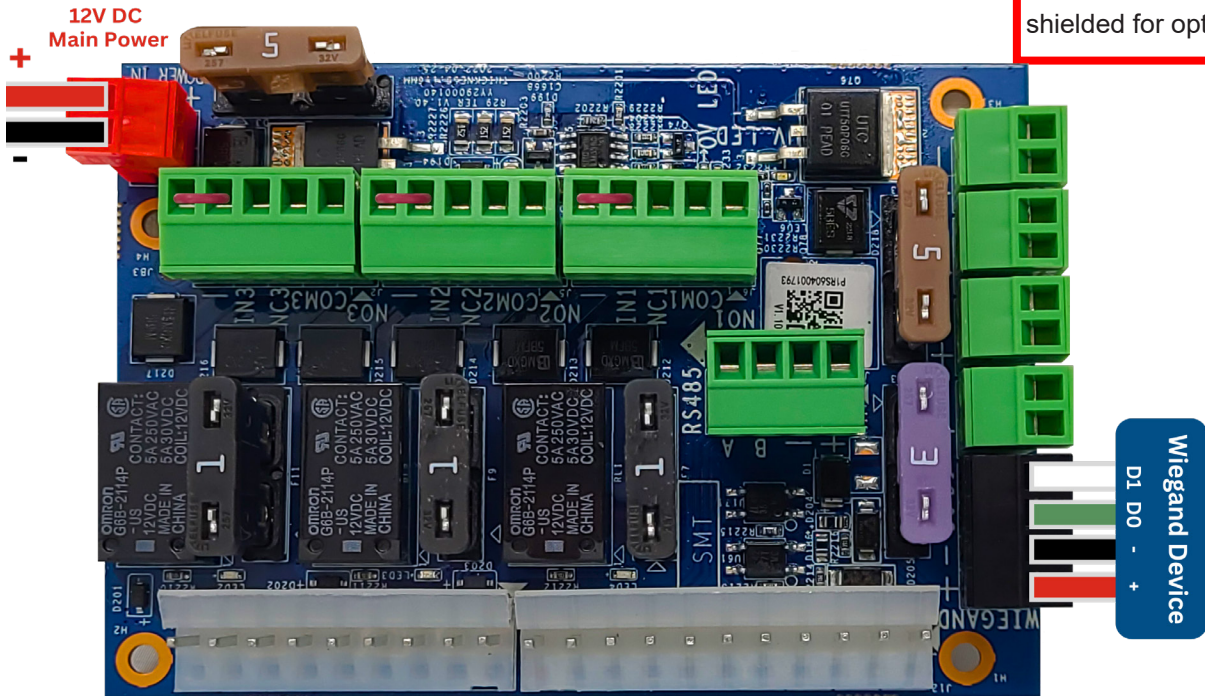
**Lock Requiring Constant 12 V:
Wet Contact Relay, Normally Closed**
Door/lock opens (releases)
when power is removed



Wiegand Wiring to Board: 26-Bit Reader

Connecting a Wiegand Device to the Interface Board

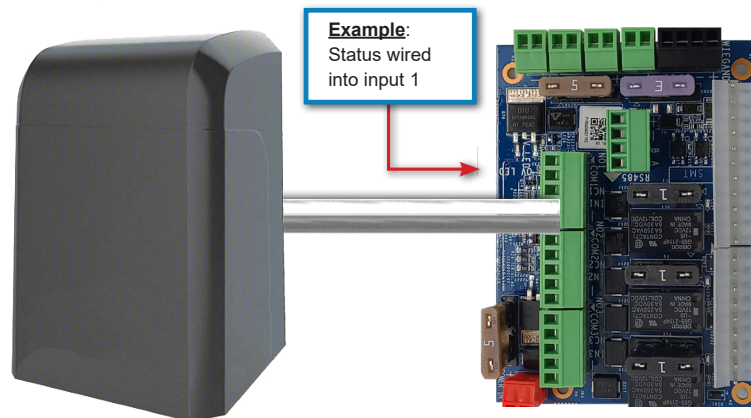
Required wiring: 18/4
conductor stranded and
shielded for optional



Gate Status From a Gate Operator

Gate Operator

Blue Board



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.

CellGate Support: (972) 231-1999, Option 2