

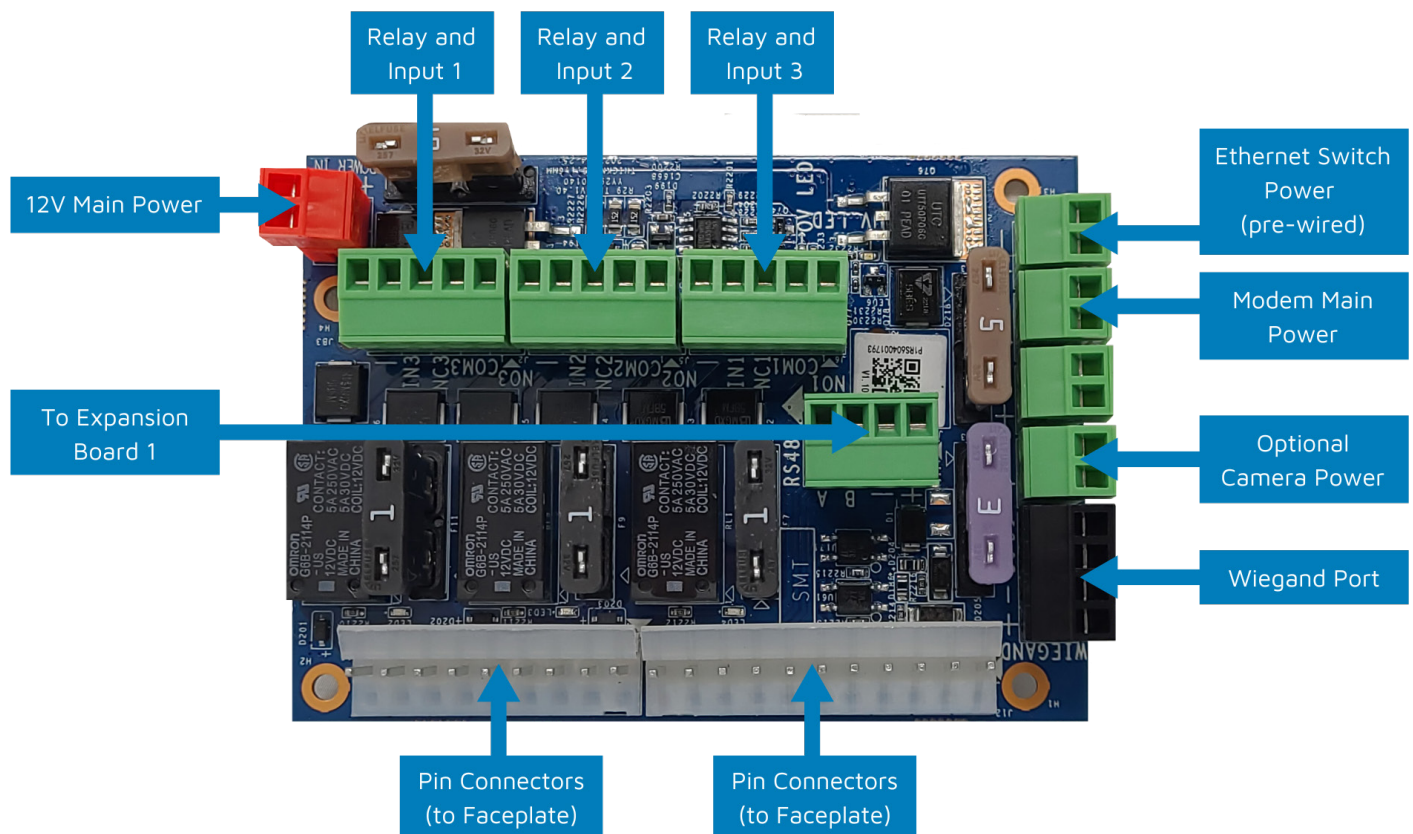


WATCHMAN®
Your Virtual Security Guard

by  **cellgate**

W480 & W482 Quick Installation Guide

Main Board



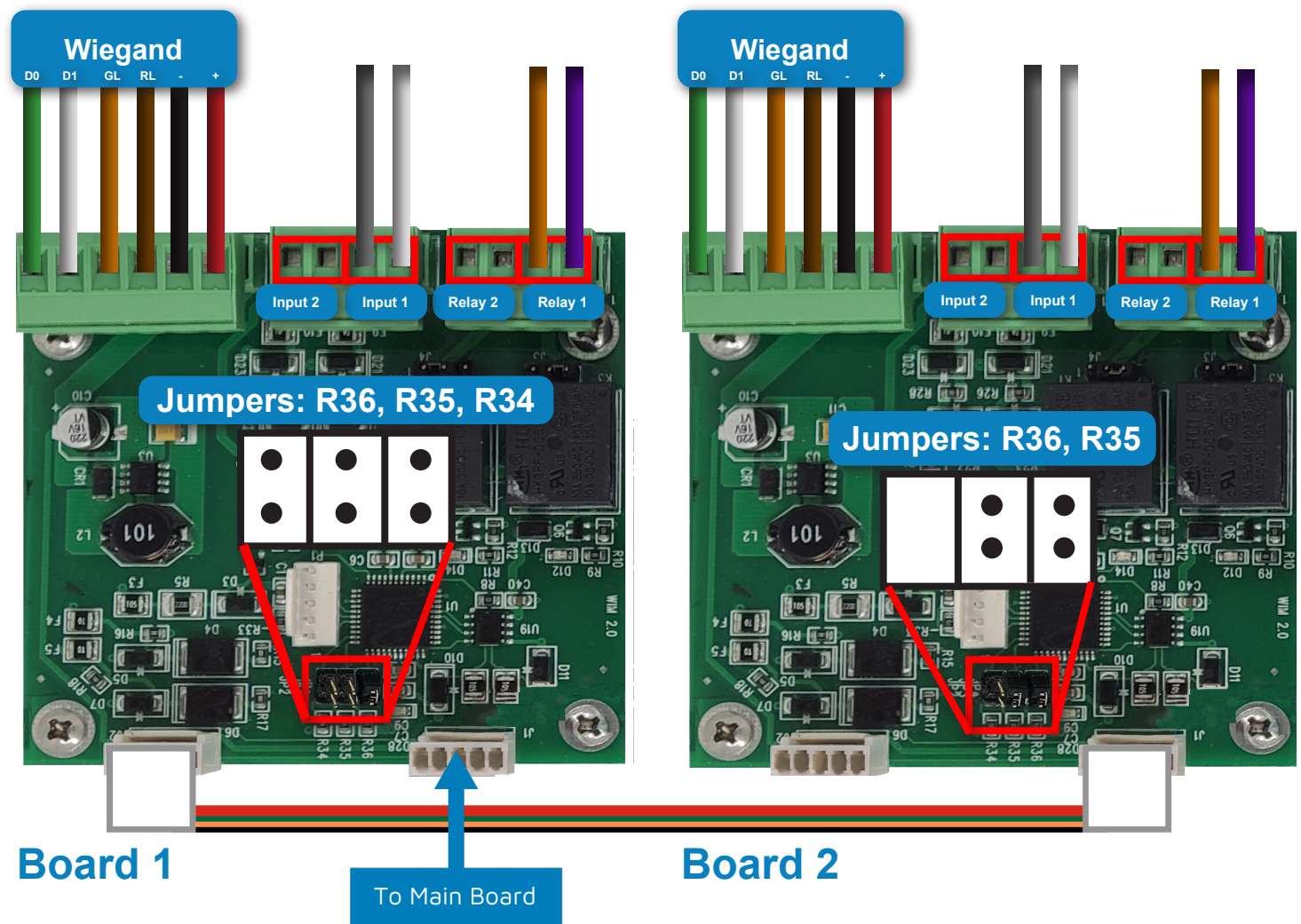
Power Wiring Guidelines

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.

Expansion Boards Detail

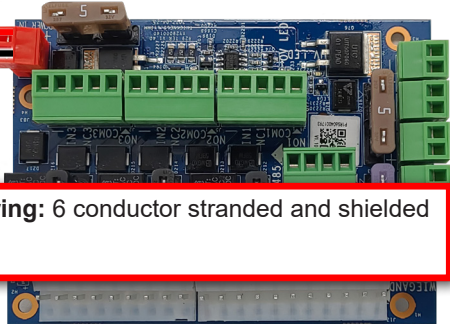


Relay Operation Configuration (Normally Open / Closed Settings)



Power Wiring

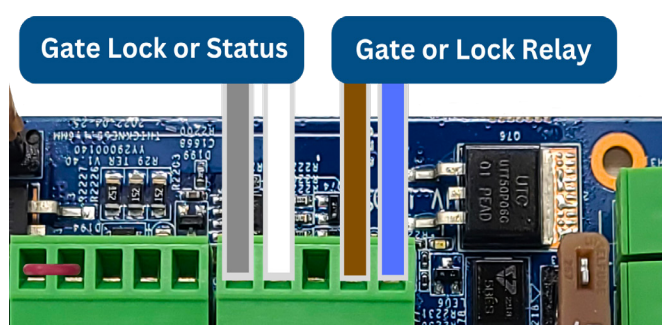
! The device includes a pre-attached 16-gauge grounding wire that must be connected to an appropriate ground. (Refer Installation document)



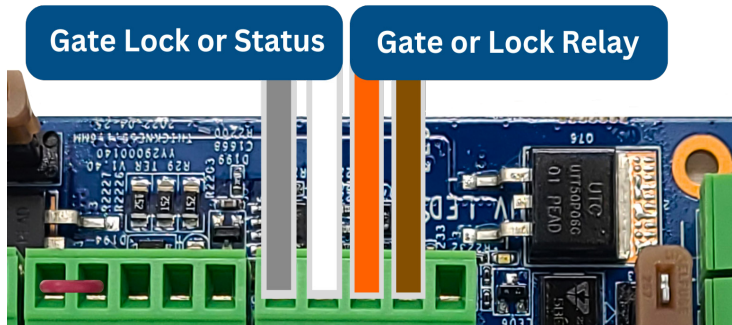
! Pay attention to polarity. The system uses DC power.

! Recommended wiring: 6 conductor stranded and shielded for main device.

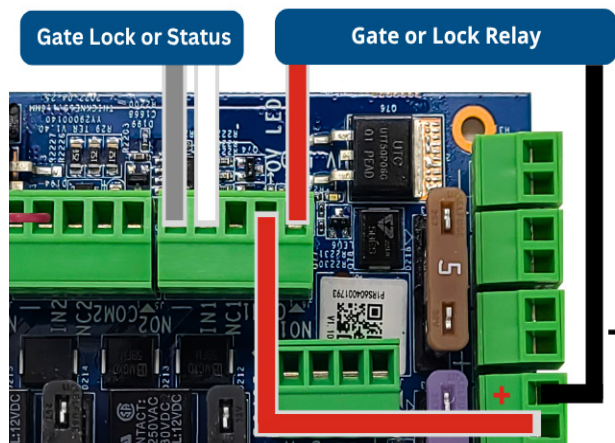
**Dry Contact Relay,
Normally Open Dry Contact**
No Voltage to Lock or Gate



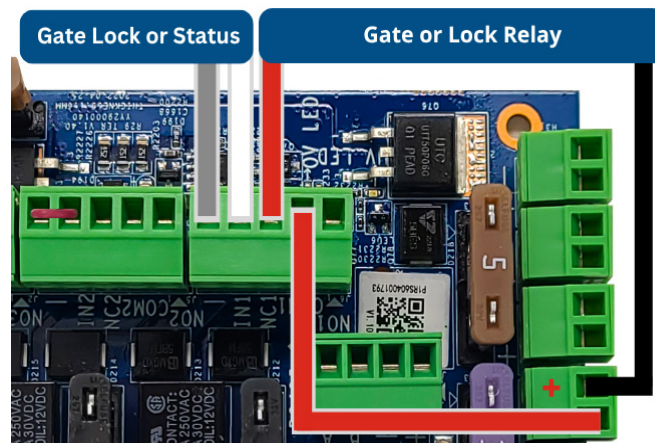
**Dry Contact Relay,
Normally Closed Dry Contact**
No Voltage to Lock or Gate



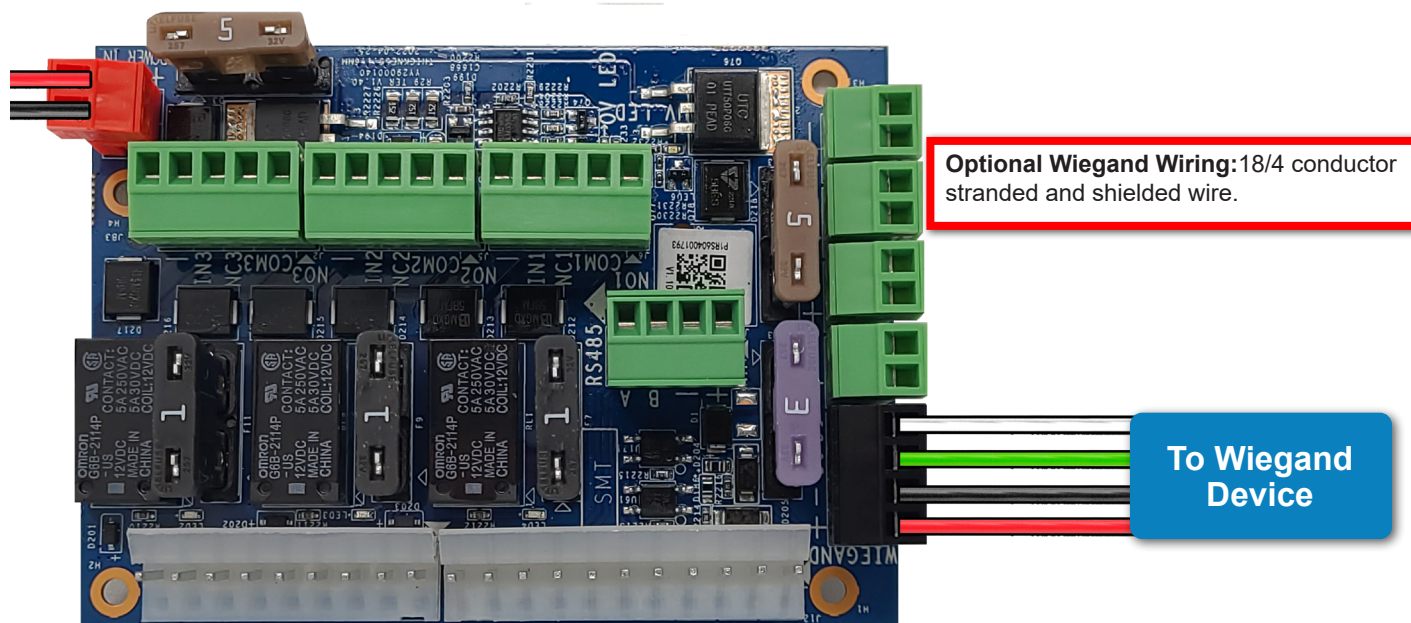
**Lock Requiring Constant 12 V:
Wet Contact Relay, Normally Open**
Door/lock opens (releases)
when power is added



**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

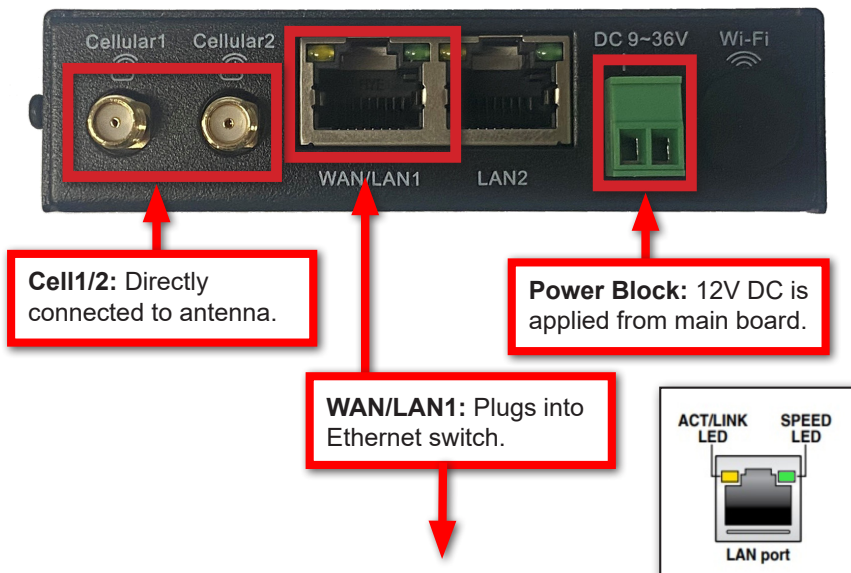


InHand Cellular Connection

For Use in W480 Version: AA1MLPE ATT, AA1MLPE VZN

Product ID: M780

Back of Cellular Router



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

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

Top of Cellular Router



LED Indicators

The LED lights shown below indicate crucial information about the router. For further details see the tables below.

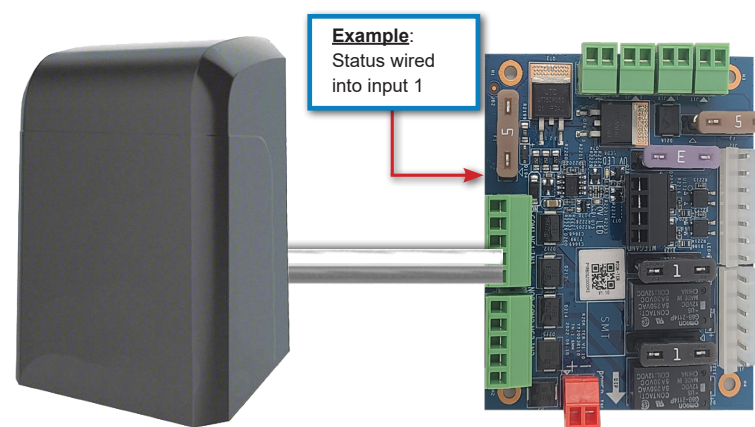
SIGNAL	Description
Red	Signal 0-10 (Bad)
Yellow	Signal 11-20 (Decent)
Green	Signal 21-30 (Good)

Power: Indicates the device is on.
Status: Indicates device state/troubles.
Cellular: Indicates device communication.
Signal: Indicates strength of signal.

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