



WATCHMAN®
Your Virtual Security Guard

by  cellgate

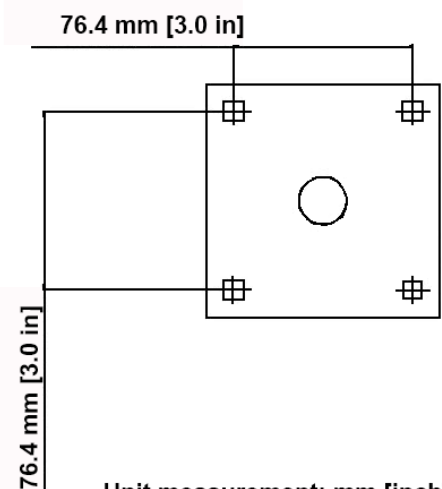
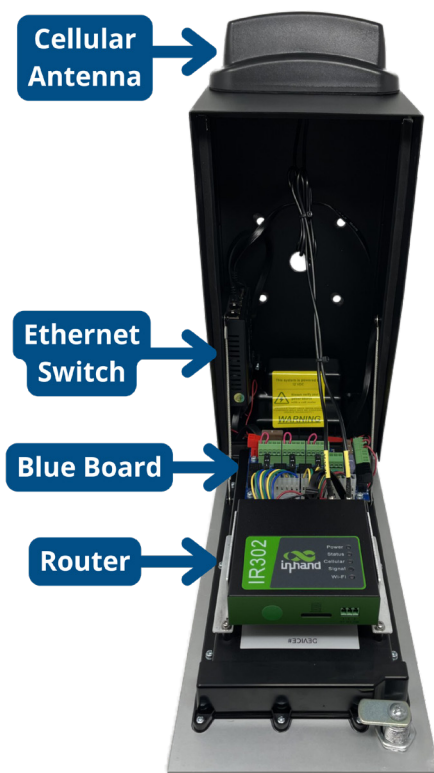
W450 Quick Installation Guide

Items Included in Kit

- Watchman 450 Unit
- Ethernet Switch
- Blue Board
- Router/Modem (InHand or Pepwave)
- 12 Volt DC Power Supply
- Keys
- Nuts x 4
- Bolts x 4
- Customer Information Packet

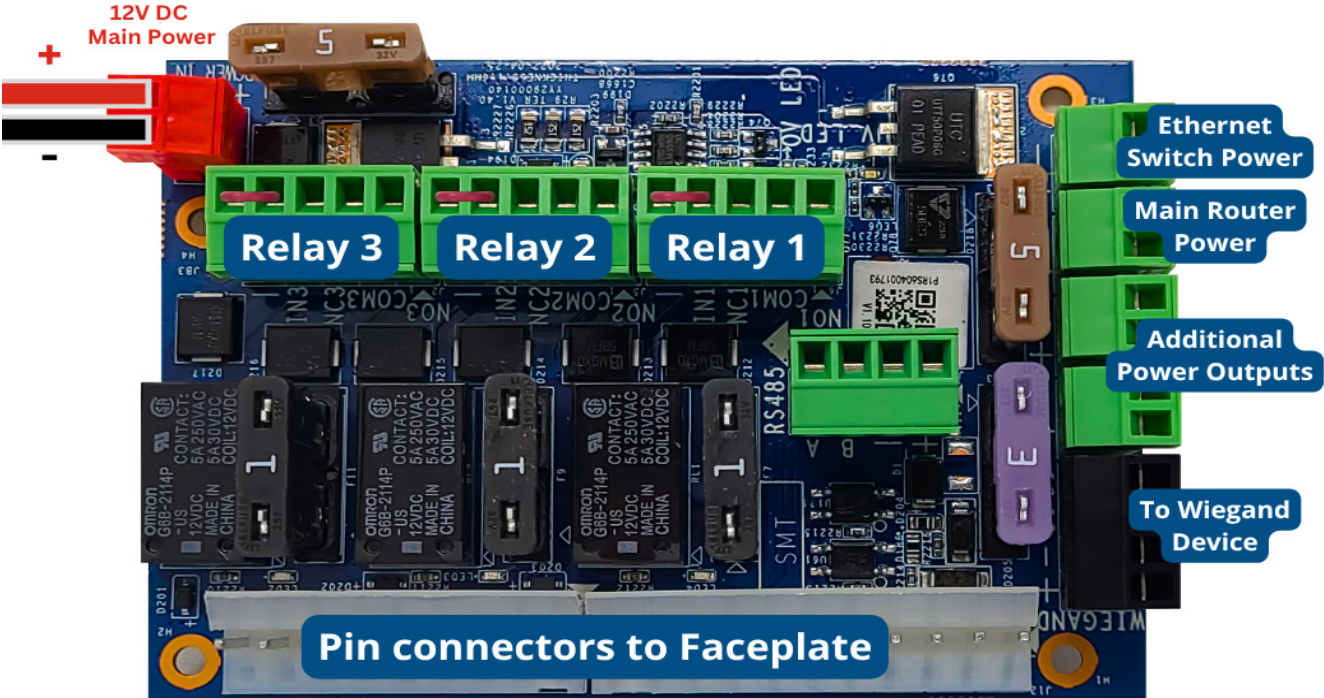


Watchman W450 Unit



Unit measurement: mm [inch]

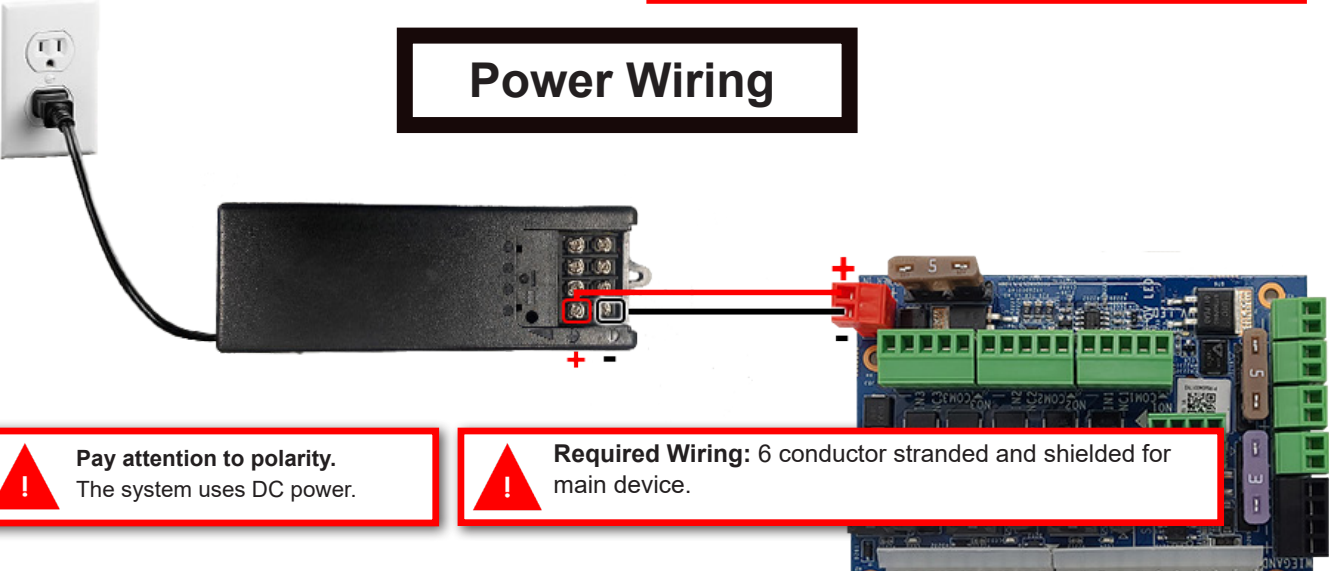
Main Board



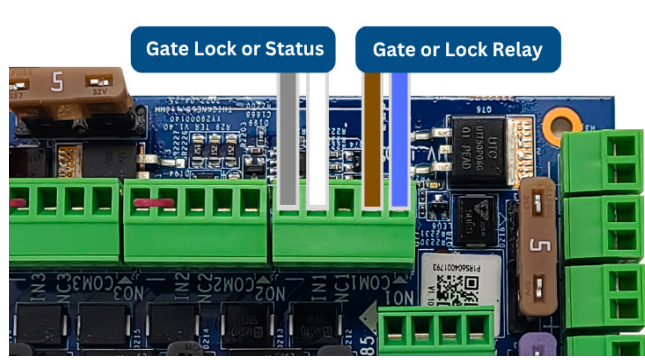
Power Wiring Guidelines	
Gauge Wire	Wire Run (Distance)
18 Gauge	25 ft
16 Gauge	50 ft
12 Gauge	60 ft

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.

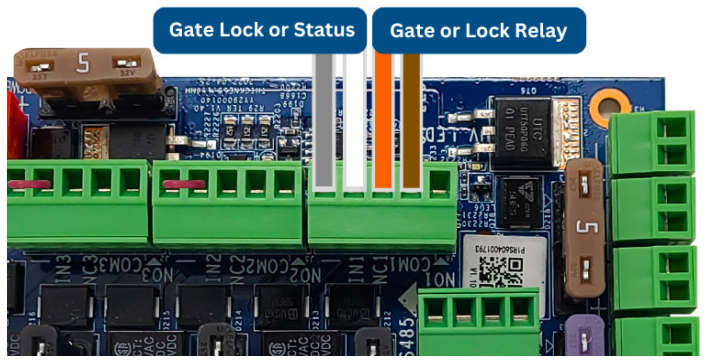
! The device includes a pre-attached 16-gauge grounding wire that must be connected to an appropriate ground.(Refer Installation document)



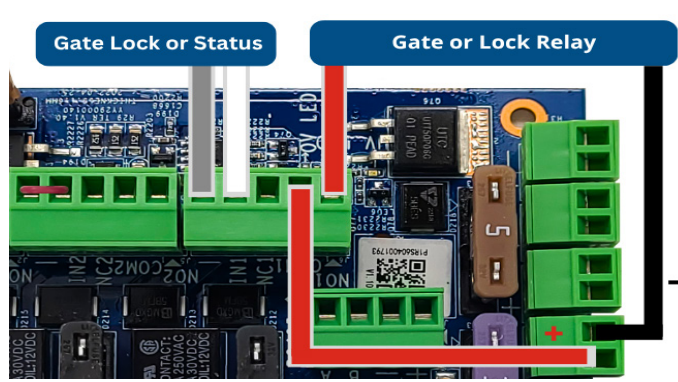
Dry Contact Relay,
Normally Open Dry Contact
No Voltage to Lock or Gate



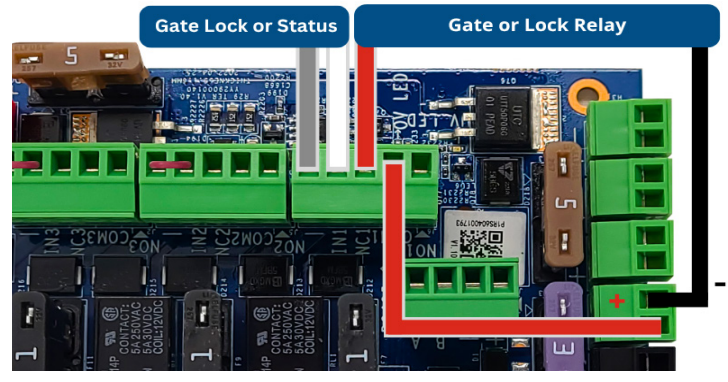
Dry Contact Relay,
Normally Closed Dry Contact
No Voltage to Lock or Gate



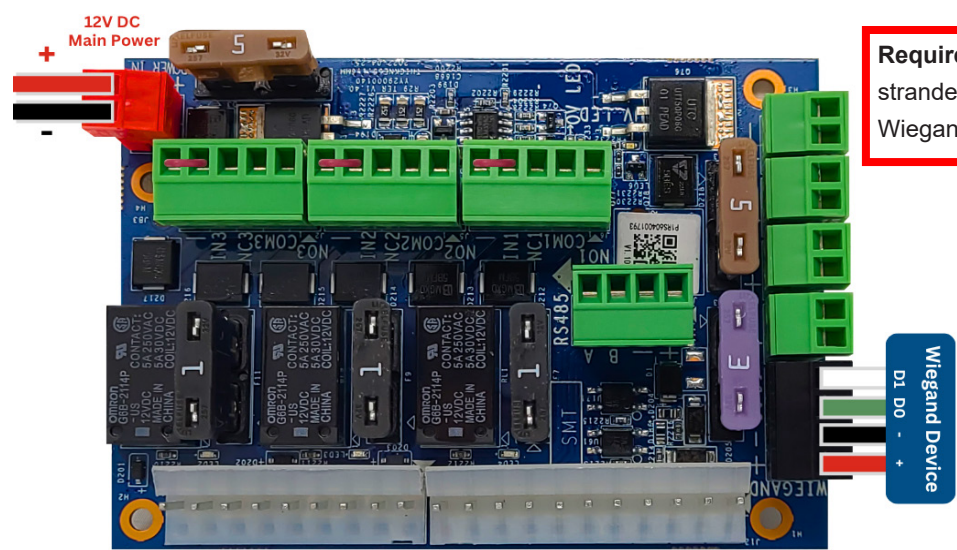
Lock Requiring Constant 12 V:
Wet Contact Relay, Normally Open
Door/lock opens (releases)
when power is added



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



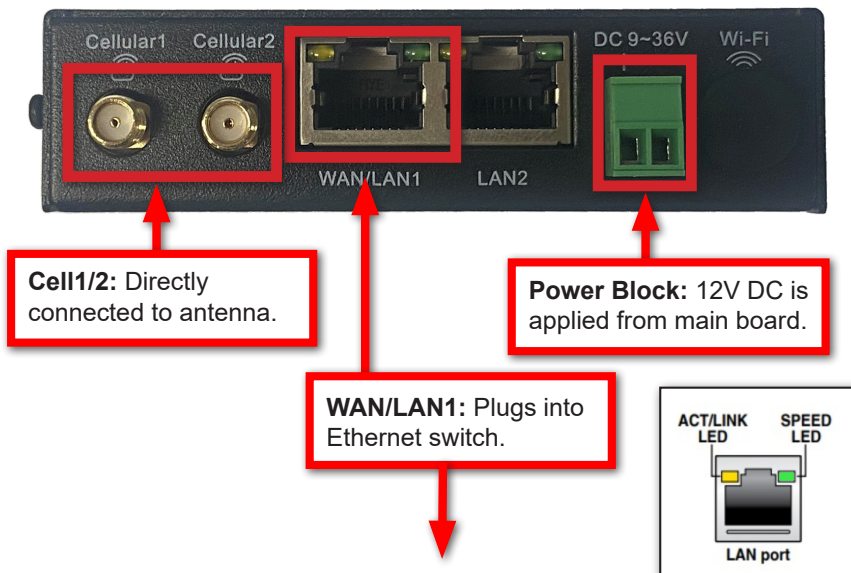
Required wiring: 18/4 conductor
stranded and shielded for optional
Wiegand devices.

InHand Cellular Connection

For Use in W450 Version: AA1WPE ATT, AA1WPE 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

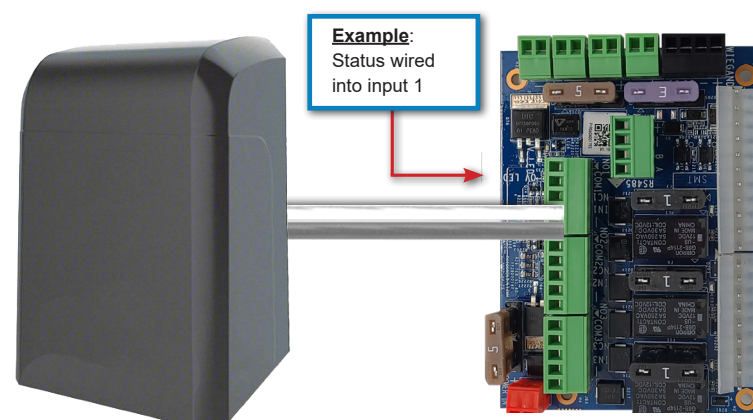
The LED lights shown below indicate crucial information about the router. For further details see the tables below.

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

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