))))((cellgate

WATCHMAN®
Your Virtual Security Guard
W462

W462 Series

Quick Install Guide

AA1MSE VPN
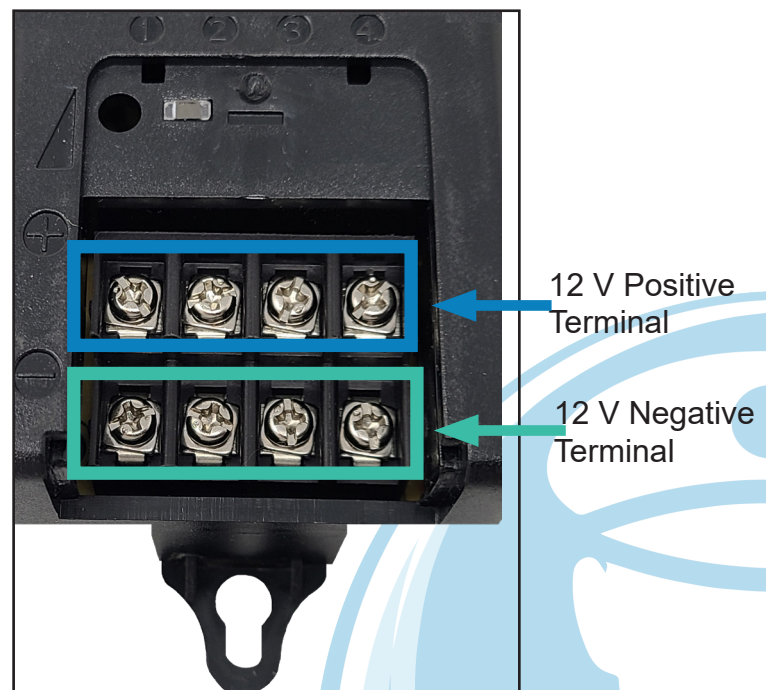
Items Included in Kit

Your shipment includes the following:

1. Watchman Unit
2. 12 Volt DC Power Supply
3. Magnetic Read Switch
4. Quick Install Guide
5. Activation & Test Process

6. Customer Information Packet
7. Box that houses unit and its mounting instructions

462 Watchman Unit

Power Supply Wiring

12 V Positive Terminal

12 V Negative Terminal

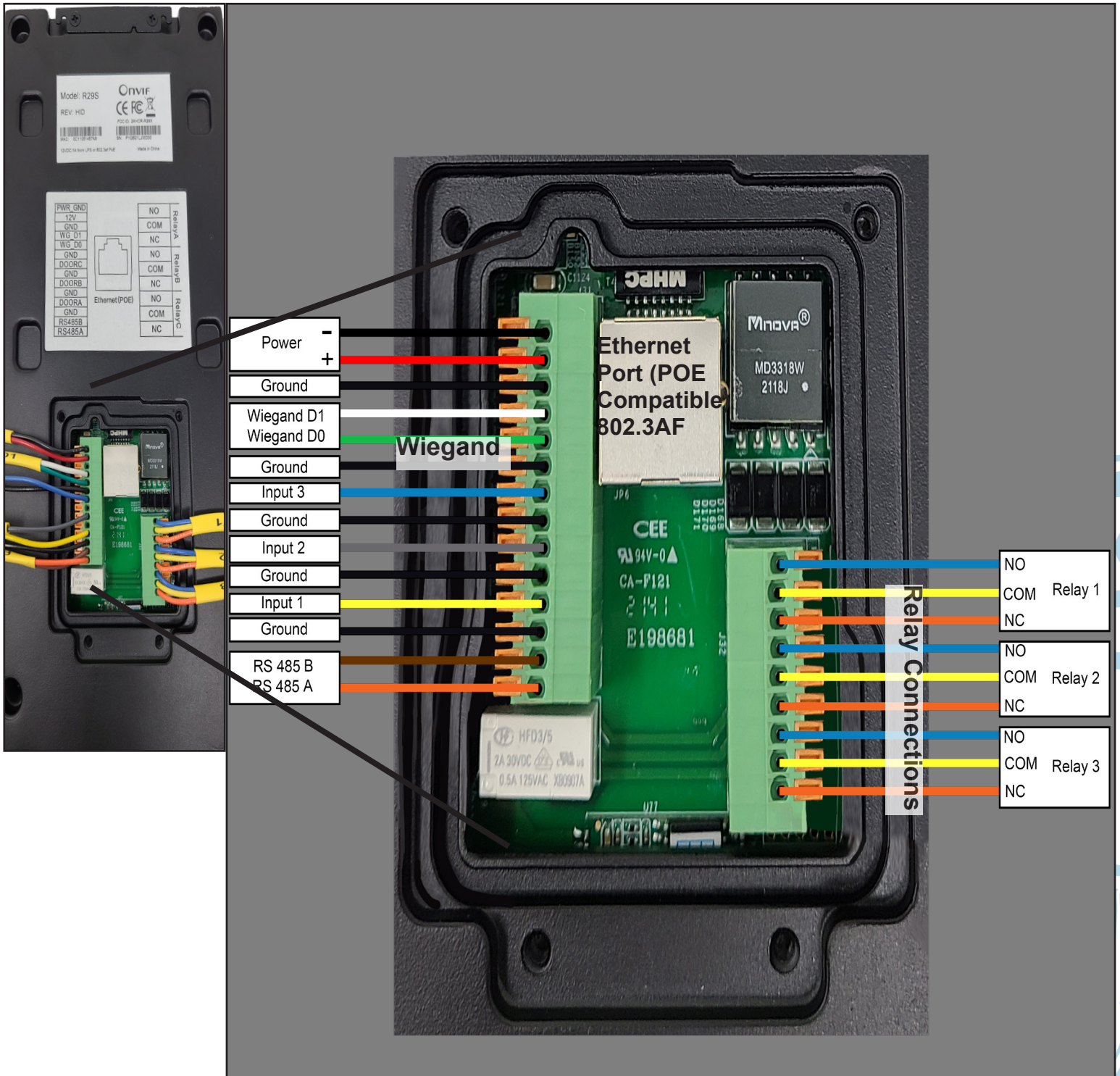We recommend the following gauges (ga) for each distance:

- 18 ga stranded: up to 25 ft
- 16 ga stranded: up to 50 ft
- 12 ga stranded: up to 60 ft

⚠ **Recommended wiring:** 18/6 shielded for main device, and 18/4 shielded for optional Wiegand devices.
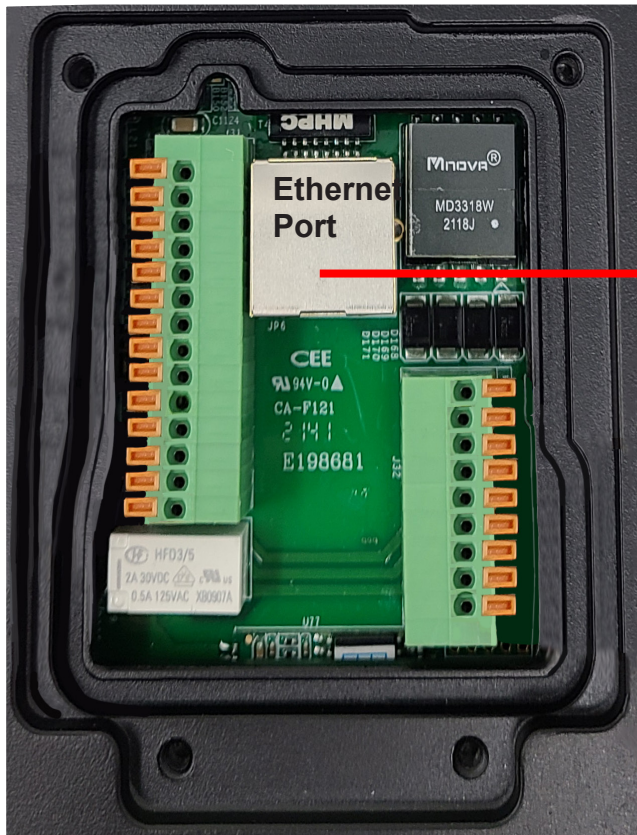
2

Interface Wiring Diagram: Pre-Wired Backplate Example

Network Connection

Plug the network connection into the Ethernet port. The connection can be POE.

Customer's Router

POE

The Ethernet port is compatible with 802.3af Power-over-Ethernet. POE injector is *not* included.

DHCP

The device is set up for DHCP by default. If you need a static IP address, call us at 855-694-2837. We use DHCP (Dynamic Host Configuration Protocol) to assign an IP address to each Watchman device. The IP address indicates where the device is on your network.

With DHCP, you don't have to configure your network devices manually. It allows you to plug and play with your device.
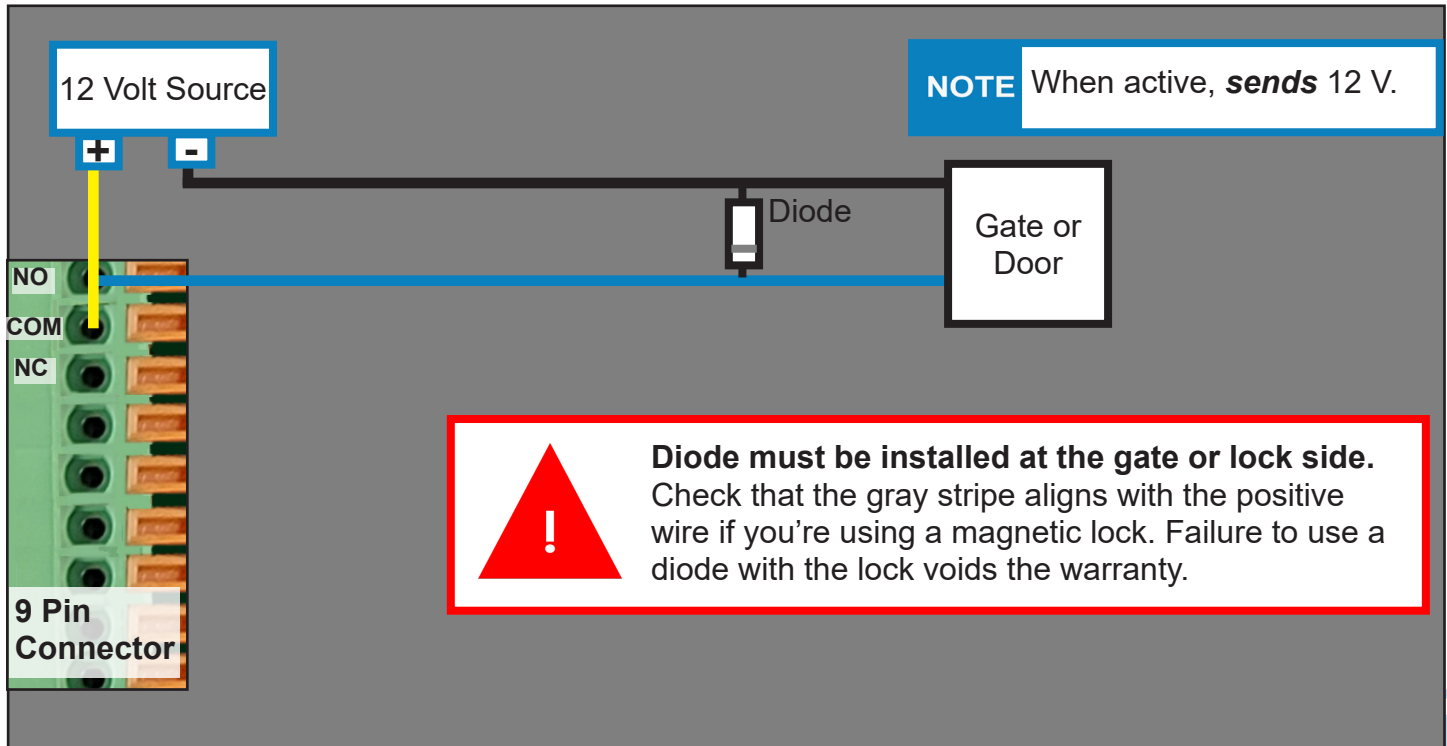
Record your device''s IP address here: _____
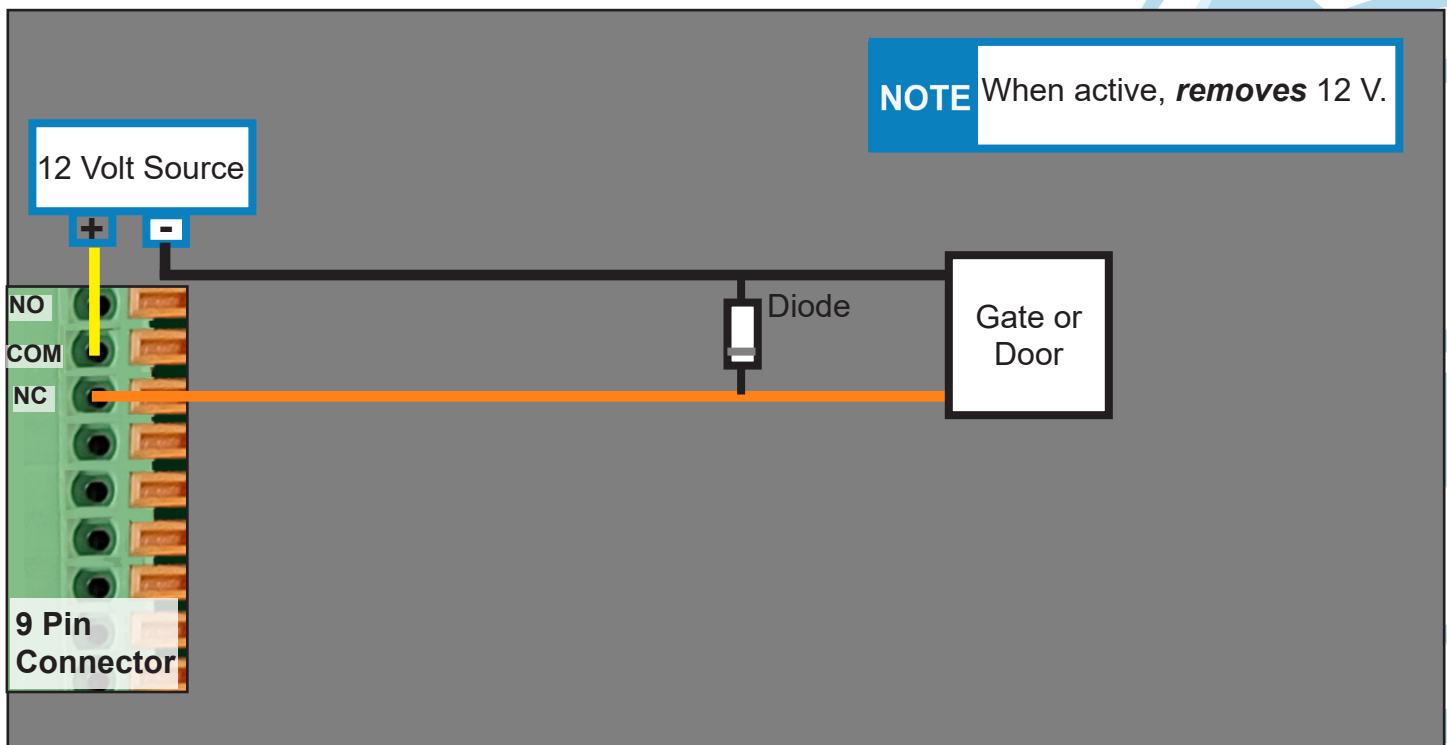
Relays: Direct Wire to Faceplate

Wet Connection, Normally Open

The door or lock opens when power is added.

12 Volt Source

**+** **–**

NOTE When active, *sends* 12 V.

Diode

Gate or Door

NO
COM
NC

9 Pin Connector

⚠ **!** **Diode must be installed at the gate or lock side.** Check that the gray stripe aligns with the positive wire if you're using a magnetic lock. Failure to use a diode with the lock voids the warranty.

Wet Connection, Normally Closed

The door or lock opens when power is removed.

NOTE When active, *removes* 12 V.

12 Volt Source

+ **–**

Diode

Gate or Door

NO
COM
NC

9 Pin Connector

Dry Contact, Normally Open

The gate or door receives continuity when the relay is active.

NO
COM
NC

Gate or Door
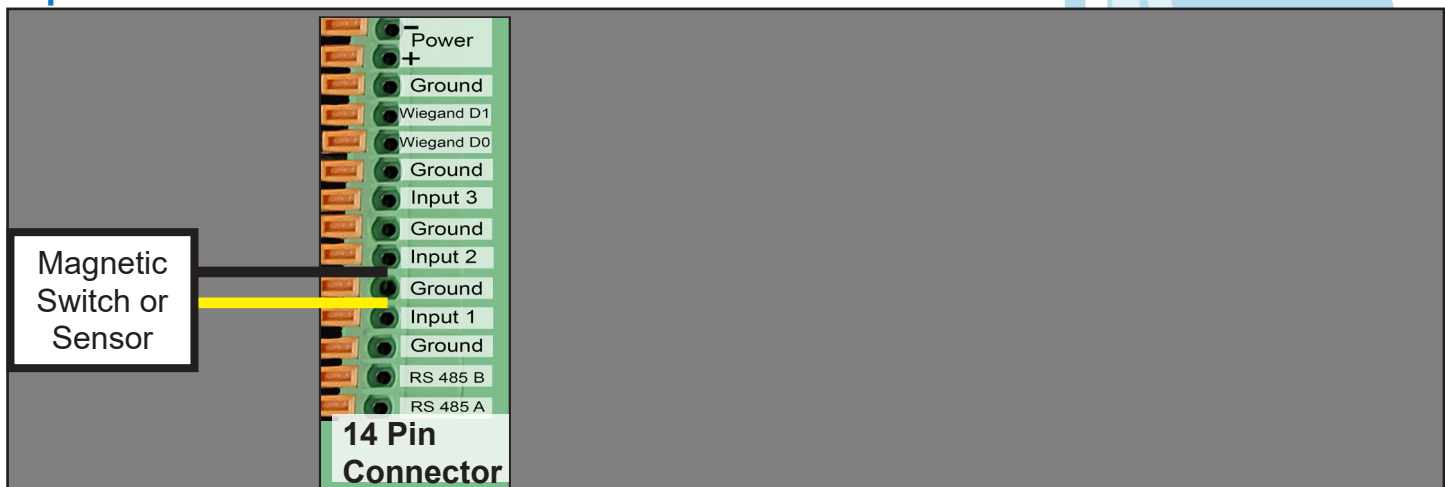
9 Pin Connector

NOTE When active, *sends* continuity.
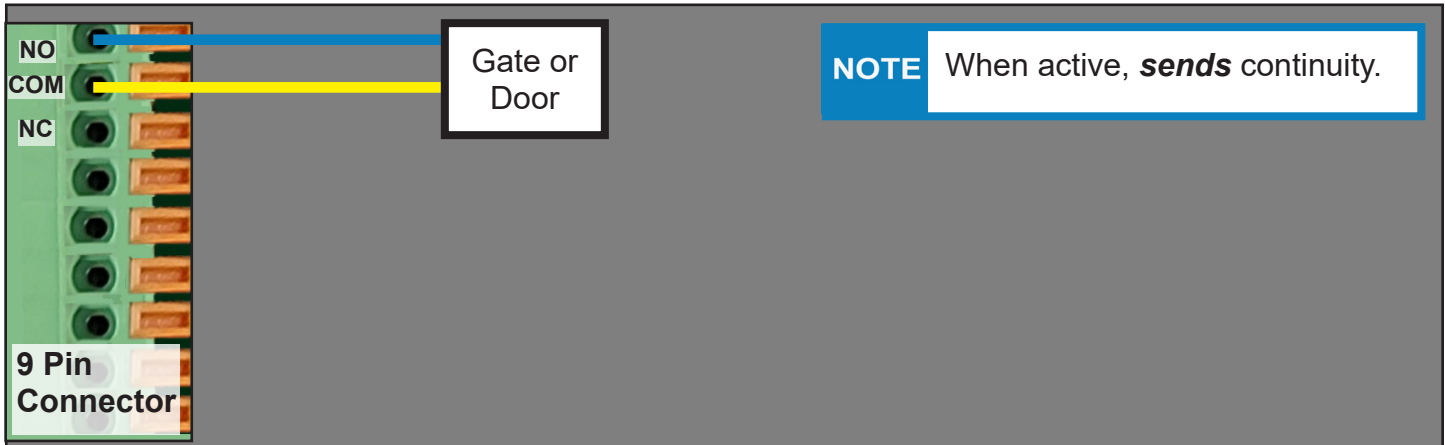
Dry Contact, Normally Closed

The gate or door receives continuity when the relay is at rest.

NO
COM
NC

Gate or Door

9 Pin Connector

NOTE When active, *removes* continuity.

Inputs
Input 1

Power −
+
Ground
Wiegand D1
Wiegand D0
Ground
Input 3
Ground
Input 2
Ground
Input 1
Ground
RS 485 B
RS 485 A

Magnetic Switch or Sensor

14 Pin Connector

Input 2

Magnetic Switch or Sensor

Power −
+
Ground
Wiegand D1
Wiegand D0
Ground
Input 3
Ground
Input 2
Ground
Input 1
Ground
RS 485 B
RS 485 A

14 Pin Connector

Input 3

Magnetic Switch or Sensor

Power −
+
Ground
Wiegand D1
Wiegand D0
Ground
Input 3
Ground
Input 2
Ground
Input 1
Ground
RS 485 B
RS 485 A

14 Pin Connector

To Wiegand Device and 12 V Source

12 Volt Source

Wiegand Device

Ground
Data 1
Data 0

Power −
+
Ground
Wiegand D1
Wiegand D0
Ground
Input 3
Ground
Input 2
Ground
Input 1
Ground
RS 485 B
RS 485 A

14 Pin Connector
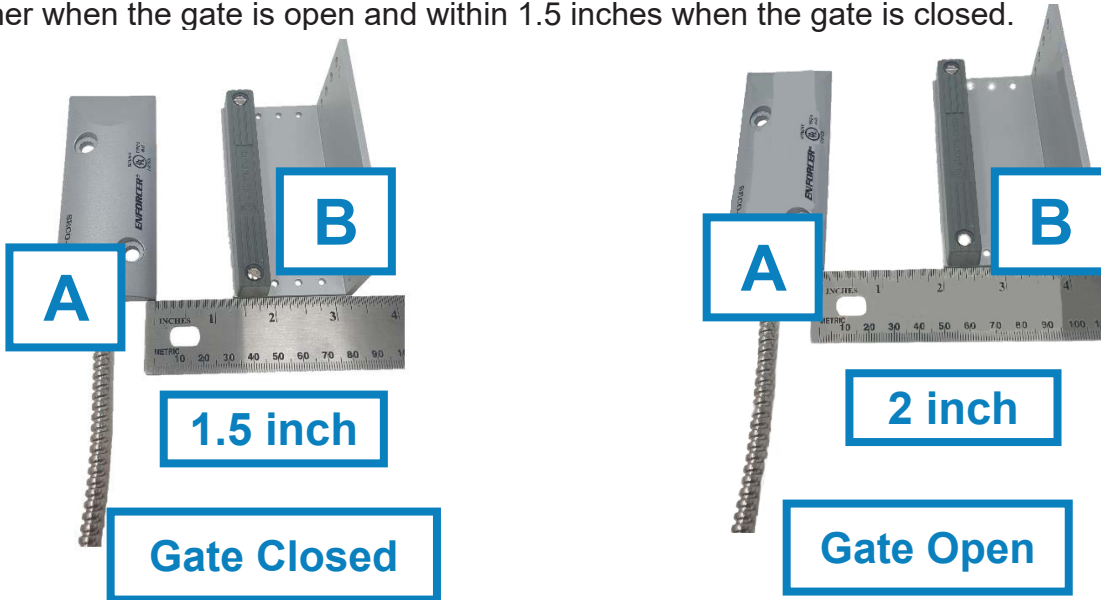
7
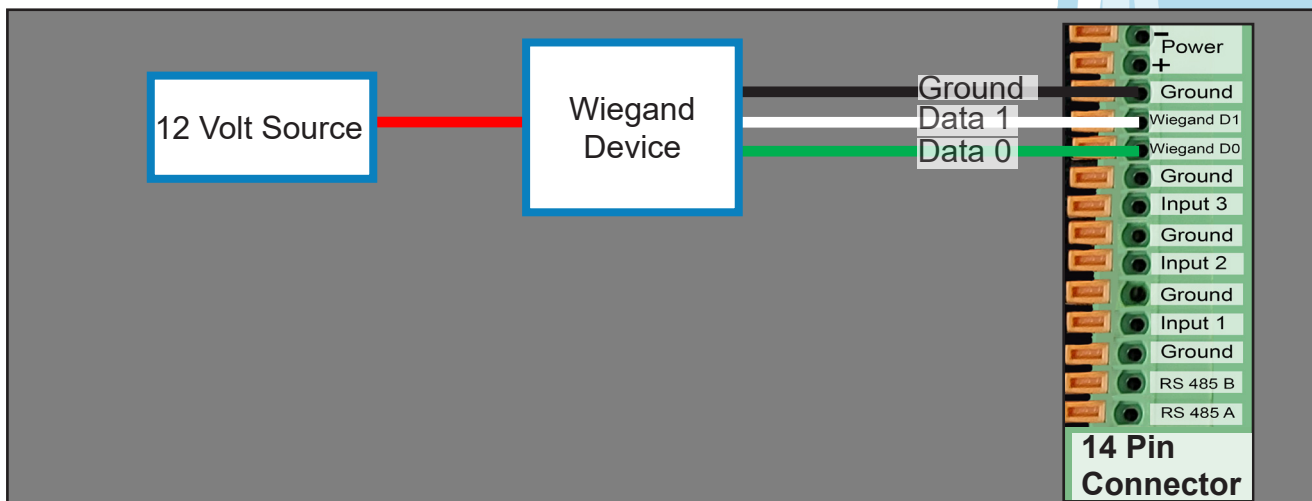
Magnetic Switch Setup

The Mag Switch can be placed anywhere that allows A and B to be pulled at least 2 inches away from each other when the gate is open and within 1.5 inches when the gate is closed.
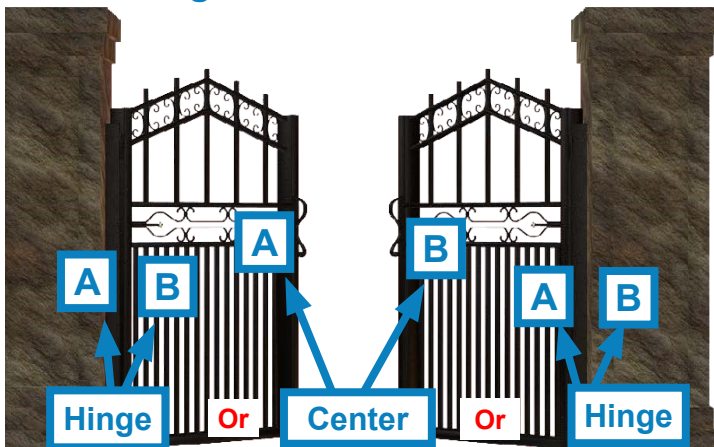

B

A

1.5 inch

Gate Closed

B

A

2 inch

Gate Open

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

Magnetic Switch Wiring

Gate Wiring

A **A** **B**

A **B** **A** **B**

Hinge **Or** **Center** **Or** **Hinge**

Door Wiring

A **B**

A **B** **A** **B**

Door Jamb **Or** **Hinge**

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