



OmniPoint
Wireless Multi-Point
Access Control

Total Property Wireless Access
by  **cellgate**

EPM Quick Installation Overview

Before starting, see Installation Tips on back page

Required Purchase

If you plan to install the EPM outdoors, or if you plan to install the EPM indoors with external antenna, then you **MUST** purchase an external box. Scan the QR code to find the product listing at Home Depot.

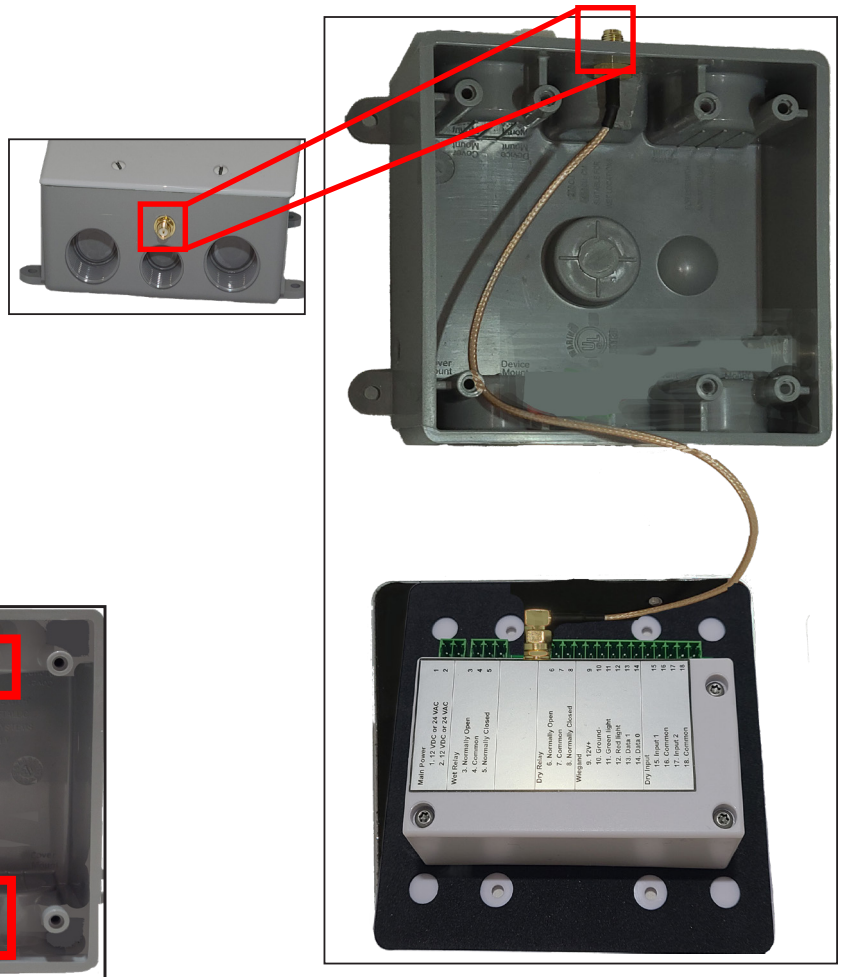


Installation

1. Attach the cable to the external box.
(This step is only necessary if using an external antenna.)

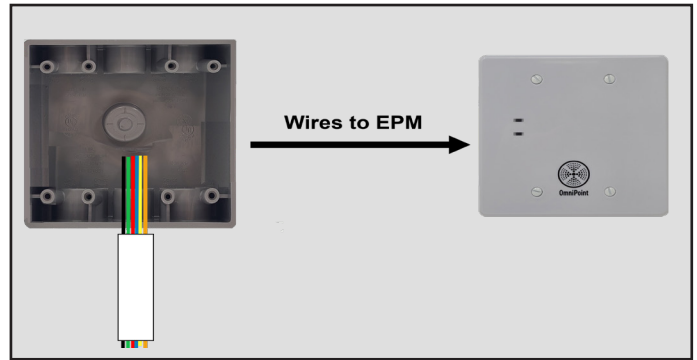
2. Attach the other end of the cable to the OmniPoint EPM. (This step is only necessary if using an external antenna.)

3. Attach shims to seal the box.



4. Run the wires into the double-ganged box and wire the EPM.

5. Attach the EPM to the external box with either flathead or security screws, based on your preference.



6. If using an external antenna, then attach it to the box. NOTE: You must weather-proof the antenna and cable connections. $\frac{3}{4}$ inch conduit fitting recommended.



Connect the external antenna **before** you connect the power.

Flush Mount

For indoor installation with internal antenna, you can choose to install the EPM in the wall or mount the box.

1. Make a hole in the wall for the EPM.

2. Wire the EPM.

3. Place the EPM in the wall.

This wire is only needed if using the external antenna.

External Antenna
(if necessary)

NOTE

This is a double-ganged wall mount box.

Wiring

See the full EPM Installation Guide for wiring details (pages 14-17).

Wiring Standards

Positive: White

Negative: Gray

Normally Open (NO): Blue

Normally Closed (NC): Orange

Common: Brown

Positive Power (when live): Red

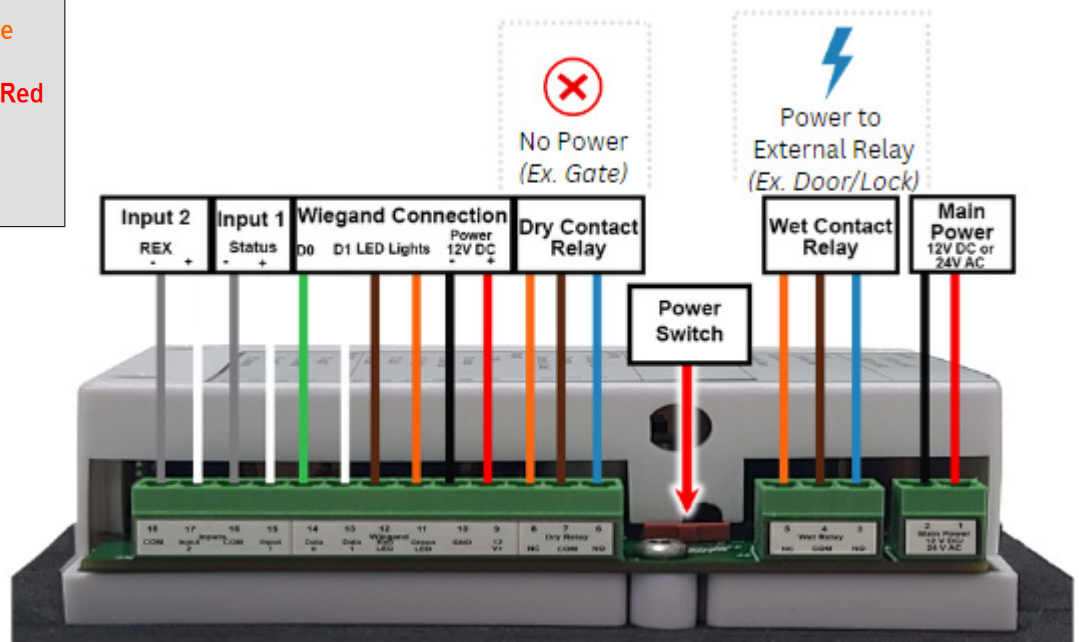
Ground: Black

Wiegand 1: White

Wiegand 0: Green

NOTE

The EPM accepts 12V DC, 24V DC, or 24V AC.



LED Signals

The LED lights on the EPM signal whether and how the device has connected with the server and the Gateway. The green and red LED lights might flash quickly, slowly, or hold steady. See below for a breakdown of the LED lights and what they mean.

- No lights indicate that power is not on; the system is booting up. Please allow 60 seconds for the system to boot up.
- A red flash indicates that the device has **no** connection to the Gateway.
- A quick green flash indicates the device has **no** connection with the server.
- A slow green flash indicates the device has a connection with the server.
- A flashing green light and solid red light indicates an active connection and that the relay is active.

Download CellGate App

To use the EPM, you must download the CellGate app, which allows you to manage Omnipoint from your smartphone. QR codes to the app can be found in the full Installation Guide. Alternatively, search for “CellGate” in the App or Play Store, and download the CellGate app. See the full EPM Installation Guide for details on using the app (pages 18-33).

Setup Tips

- Don't place EPMs or the Gateway in areas with an abundance of metal (chain link fence, stucco rooms, etc).
- Check signal strength before finalizing installation location.
- Ensure Gateway is installed and online before beginning installation of EPM.
- Ensure that the account is created and properly configured before beginning installation.

Installation Tips

- Don't wire power through the Dry Contact Relay.
- Verify consistent and stable signal (at least 2 blinks in test mode).
- Use weatherproofing for all outdoor connections. Use silicone sealant to weatherproof antenna connections.
- Connect the external antenna before powering up the device.
- Power cycle the device if you encounter push errors during setup.
- Pay attention to modulation issues. Overmodulation occurs when an EPM and Gateway are installed too close to each other. Undermodulation occurs when an EPM and Gateway are installed too far from each other. See OmniPoint Essentials pamphlet.
- Use the app's test mode to verify all functions before completing installation.

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