cellgate

WATCHMAN® EVO

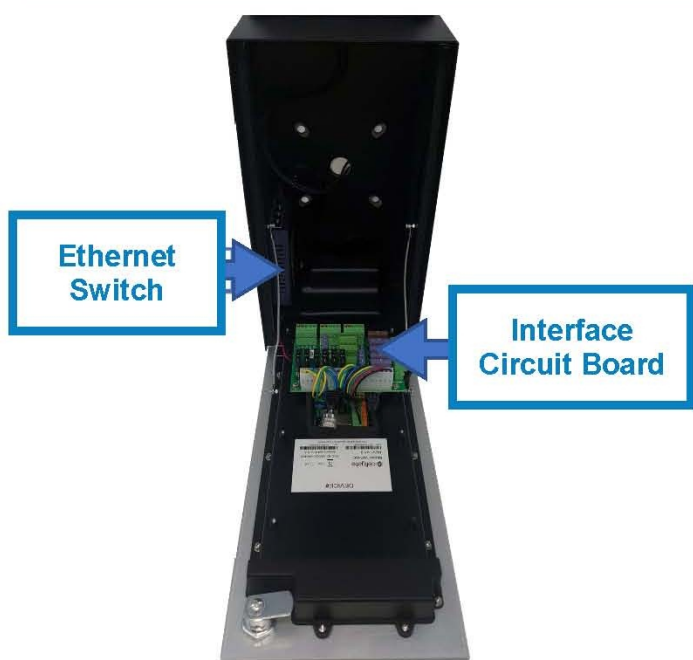**WP450 Series**

2AOQ7-WP450

Quick Install Guide

Recommended wiring: 18/6 shielded for main device, and 18/4 shielded for optional wiegand devices ⚠️
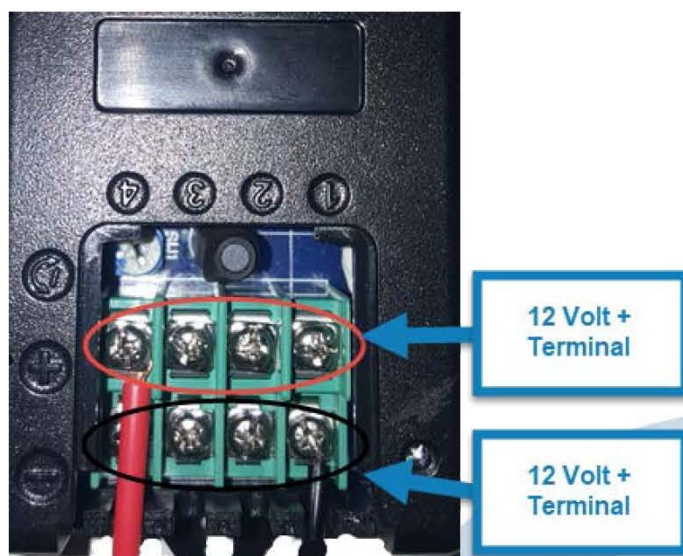
Items Included in Kit

1. Watchman EVO Unit
2. 12 Volt DC Power Supply
3. Magnetic Read Switch ⚠️
4. Keys *(Note: Leave one key with the customer)*
5. Nuts X 4

6. Bolts X 4
7. Quick Install Guide
8. Activation & Test Process
9. Customer Information Packet

Watchman EVO Unit

Ethernet Switch

Interface Circuit Board

Power Supply Wiring

12 Volt + Terminal

12 Volt + Terminal

Interface Circuit Board (Oriented the same as the Watchman install)

Auxiliary Relay & Inputs.

Main Relay & Input plug

12 Volt Main Power

Ethernet Switch Power (Pre-Wired)

Modem Main Power

Optional Camera Power

Wiegand Port
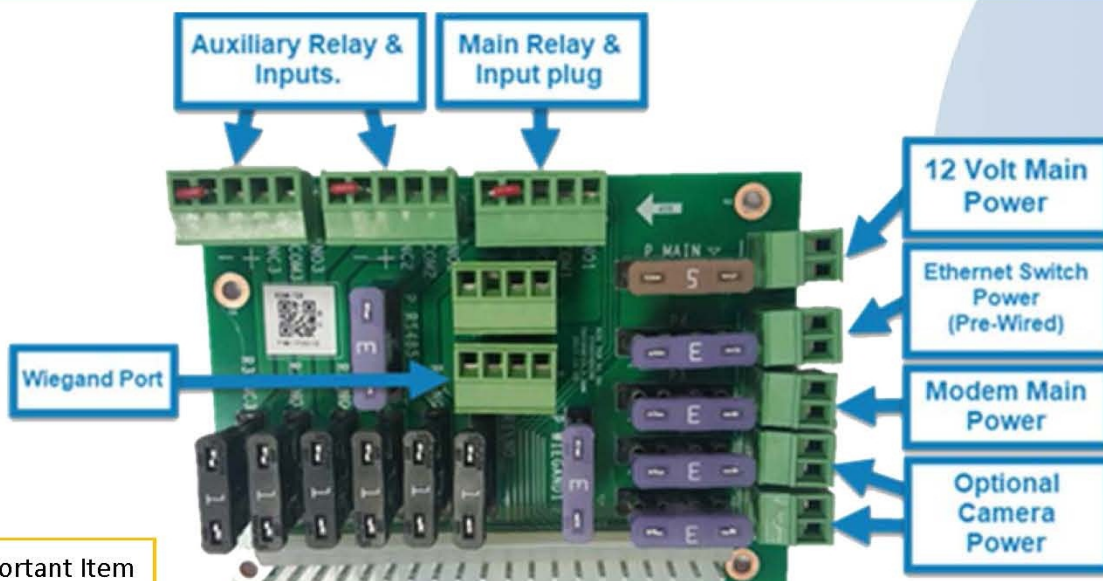
⚠️ Important Item

Interface Wiring Diagram (Oriented the same as the Watchman install)

To Magnetic Switch or Dry Contact on Operator 3
Gray Is Negative
White is Positive

To Gate Operator
Free Exit , Or Exit Terminal 2
Yellow Is Positive +
Blue Is Common Ground
Normally Open Connection

Main Power 1
12 Volt Input power

Optional Wiegand 26 Bit Connection
Red Is 12 Volt Power
Black is Ground
Green is Data 1 4

Ethernet Switch

Interface Circuit Board
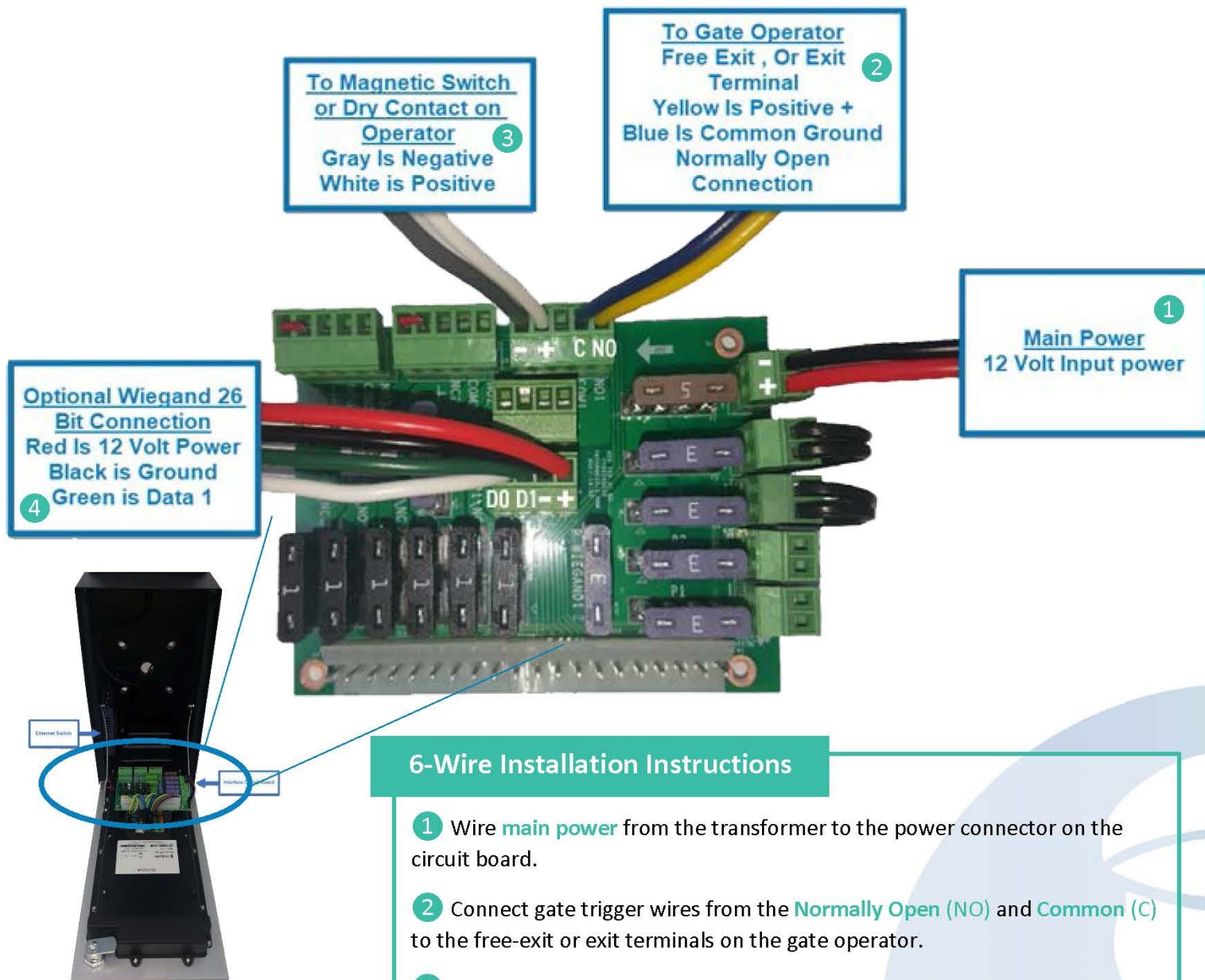
6-Wire Installation Instructions

1 Wire **main power** from the transformer to the power connector on the circuit board.

2 Connect gate trigger wires from the **Normally Open** (NO) and **Common** (C) to the free-exit or exit terminals on the gate operator.

3 Connect the gate status wires on the 6 pin connector on the main relay and input plug to the magnetic switch or a **Dry Contact**, Normally Closed (NC) relay on the gate operator.

4 If using an optional 26-bit reader (ex., keypad, card reader, RFID, or clicker), wire the device to the **Wiegand connection** on the interface circuit board.

5 Use **Camera Guide** if adding optional external camera.

6 Test/activate using the test credentials on the **Activation & Test Process** document. ⚠️

⚠️ Important Item

⚠ BEFORE YOU BEGIN

Please download the **Watchman EVO and CellGate apps**

Available at the App Store and Google Play

App Credentials and Device Information

1.	After full review of the provided Quick Install Guide, power up the Watchman unit.
2.	Allow at least 10 minutes after power up for cellular signal to connect. (The device is not embedded in other cell phone devices, but by inserting Ethernet cable into the only network ports on the it that can connect to 3G/4G router, then to Cellgate Mobile Connect app. The protocol is TCP/IP.)
3.	■ On W450 series, enter the device number into the keypad then press the key symbol ⊶.

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4.	Wait 60 seconds.
5.	Login to the Cellgate Mobile Connect app with the username and password provided above.

Log in

User name

Password

Log in

6.	Select the device number for the unit you're currently activating.
7.	Select the "Internal Camera".

Logout **Devices**)((

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[50382] - **Watchman Gate**

[50382] - **Internal Camera**

8.	Press "Take Picture".

Take a picture now

9.	Confirm a picture was received.	

Take a picture now

3/26/2018 8:45:09 PM

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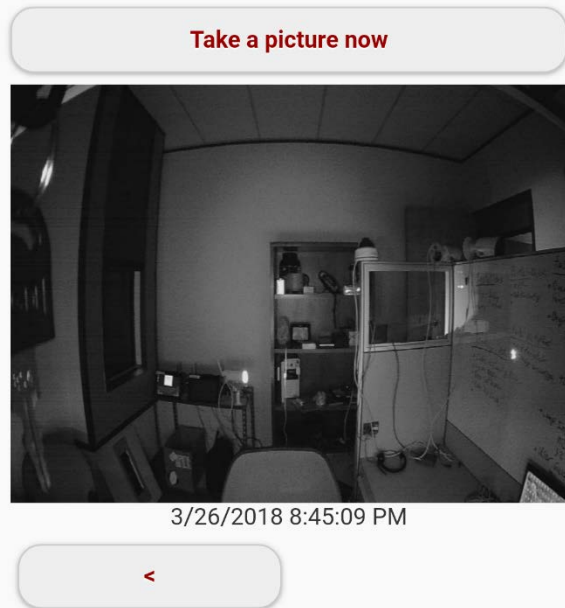
10.	Press "Back" in the top left.	**⟲ Back**
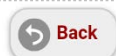
11.	Select the Watchman Gate	

Logout   **Devices**   ⟩⟨⟨

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[50382] - Watchman Gate

[50382] - Internal Camera
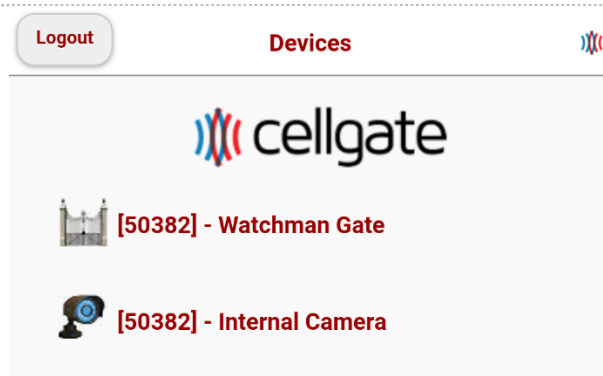
| 12.	Press the "Open Momentarily" button. The gate should open for the duration set in the timer and the Watchman should audibly confirm "Access Granted".	

⟲ Back   **Watchman Evo Single**   ⟩⟨⟨

Watchman Gate

Hold open

Close Gate

Open momentarily
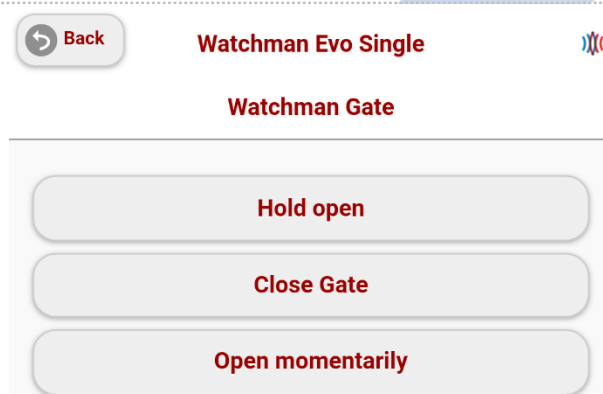
12a. If the Watchman does not say "Access Granted" and the gate does not open, please check the unit's network connection and power.

12b. If the Watchman says "Access Granted" and the gate does not open, please check the gate trigger wires that run between the Watchman and the gate operator.

13.	After the gate has closed enter the Access Code from Page 1 into the keypad then press the key symbol 🔑 or Open. The gate should open and the Watchman should say "Access Granted". *If not, see options **12a** or **12b***.

14.	Login to the Watchman app using the same credentials. *See top of Page 1. ***note, accept ALL app permissions***

15.	After login initiate a call from the Watchman unit.
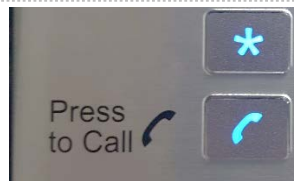
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16.	During the call you should see live video feed in the Watchman app and hear audio from both the app and the Watchman unit.
17.	Press the Open button. You should hear a tone from the Watchman unit and the gate should open.
18.	*Congratulations!* You have successfully activated the Watchman! *Please leave the customer a key for their Watchman.*

FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates,uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or
more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is
connected.
—Consult the dealer or an experienced radio/TV technician for help.