

5. PAL Registration

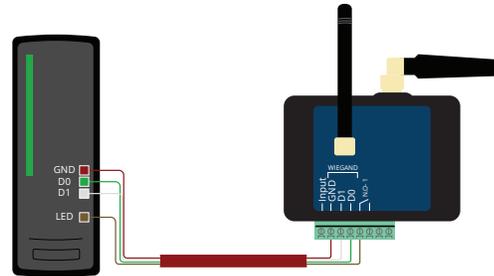
THE PAL CONTROLLER MUST BE REGISTERED THROUGH THE ONLINE WEB PORTAL BEFORE USING THE PHONE APP.



- A Request web portal login information.
- B Login to your account at portal.pal-es.com select devices on the left hand side and click add on the top right hand corner.
- C Enter the serial number and code found on the back of the PAL unit. Click Save.
- D You can now select the device for configuration and management.
- E For more detailed management and configuration instructions please refer to the PAL full web portal user manual.

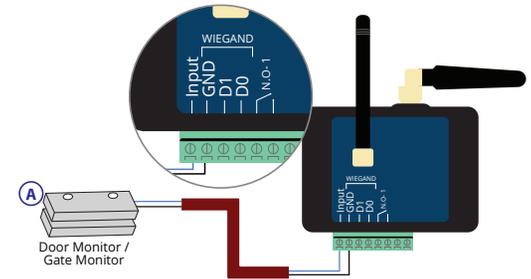
[WEB PORTAL USER MANUAL](#)

6. Wiegand Connection



- A When wiring in a wiegand device to the PAL controller, use DO, D1, and wiegand GND from the wiegand device to the PAL controller.
- B When wiring card reader LED to correspond with relay, wire to N.O.-1.

7. Input Door or Gate Position Connector



- A **Door or Gate Position switch** - Mount this on the door frame or on the gate in the desired location with the wire running to the input on the PAL controller, like shown above. When using two door or gate position sensors for double doors wire them in series with one leg of each switch running back to the controller for connection.

8. Adding Users



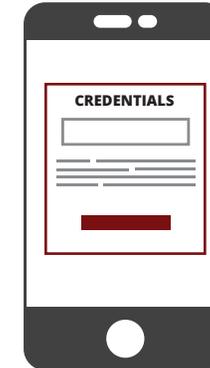
- A From the Home screen go to devices. Select the device you wish to add users to. Once in the device main menu select users. (for sites with multiple PAL units installed please call technical support 866-975-0101 or refer to complete manual)
- B Once in users click "add" in the top right hand corner. (You can also import complete databases, please call technical support or see full instruction manual for detailed instructions on this)
- C Once you have clicked "add" you will enter the main user screen. Fill out the necessary information and click save. **Note:** If you enter a phone number the user can download the "Palgate" phone application and will be able to trigger the gate or door from their phone. Leaving the phone number section blank will not allow the user to have app control of the PAL unit.

9. PAL Settings



- A General - Allows you to configure the relay output hold time.
- B Timer Events - Allows for setting a 7-day automatic unlock/open, lock/close schedule.
- C Time Groups - Allows for creating groups to restrict Wiegand and phone application access to the PAL controller.

Virtual Credentials

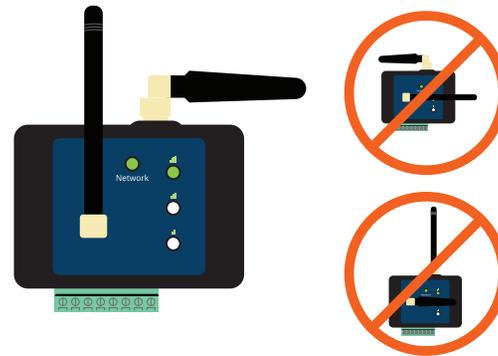


The Pal controller allows for Wiegand and mobile credentials through the PAL app.

1. Package Contents



2. Mounting Controller



Mounting - When mounting the PAL be sure the antenna is pointing straight up for the best signal strength. The 4G antenna needs to be pointing to the right.

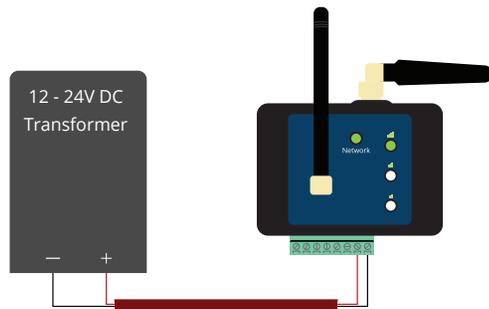
Note: When mounting the PAL unit inside a gate operator, use external antenna (PALANT3G).

PAL Wireless Wiegand Controller

Quick Start Guide

Download the user manual here:
<https://transmittersolutions.com/pal-cloud-management/pal-26bit-wiegand/>

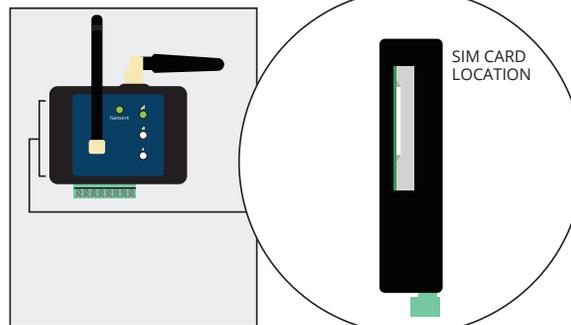
3. Power Connection



Power - PAL requires a 12-24V DC transformer. PAL reaches 30mA at maximum power consumption.

NOTE: the + and - power inputs can be wired to either power input on the PAL board, they are interchangeable.

4. Network Connection/Account Setup



Network Connection - The pre installed PAL SIM card automatically finds the strongest signal between the AT&T and T-Mobile network. In order for PAL to work properly one of these providers networks must have reliable signal at the location of the PAL installation.

Signal Level - Once powered on, the PAL will go through an automatic network boot up. After 60-seconds if working properly the PAL device will have a solid LED light on the Network and one of the signal LED's.

A company account on portal.pal-es.com is required to register the PAL device. If you do not currently have a company account call us at 866-975-0101. Use your login credentials to login to the PAL home page.

LEDs key

LEDs	Meaning
Fast flashing of the SIM light	System is booting
Slow flashing of the SIM light	Module is looking for a cellular network
2 blinks and break	connecting to the Internet process
Four short flashing of the Sim	Connecting to the PAL interface
Sim is stable	System ready
Signal light No. 1 is on	Low signal
Signal light No. 2 is on	Good signal
Signal light No. 3 is on	Very good signal