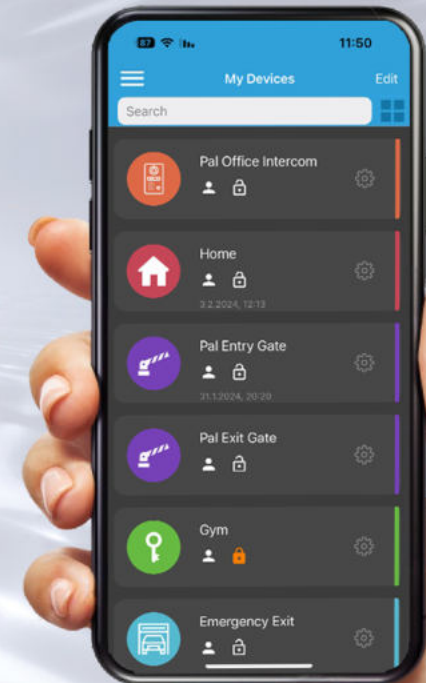# PAL ELECTRONICS SYSTEMS

2024 Products catalog

www.pal-es.com

PAL ELECTRONICS SYSTEMS

About us...

With more than a decade of innovation, creativity & user friendly technology
we became a market leader with our unique advanced IoT solutions.
Wherever there is a need for a wireless device with remotely managing -
Pal is here to deliver!
From gates-doors-access control solutions to football Arena's lighting control.
Our small wireless devices which were designed by our R&D department became
a game changer within the industry & the favorite choice with our
global distributors & installers.
We are committed to quality,innovation & User-Friendly Web portal & App
to the benefit of all our chain of users: Distributor-Installer-End user.

You are invited to join more than 7 Million satisfied users around the world.

Warning! Using our products can be addictive.

PAL ELECTRONICS SYSTEMS

Why to choose PAL ?

PAL ELECTRONICS SYSTEMS
We make it smarter

All in one - Pal's user-friendly APP enables to manage & control all your gates & doors from the same App.
Join more than 5 million satisfied users!

Installation - Plug & play devices which ensure a fast & clean installation.

I0T - Our small wireless devices connect to any electric gate/door, lighting control or any place where saving time and remotely control and manage is an essence.

Web portal – Time events, yearly calendar, installation status, time groups and many additional features makes it easy to all our chain of users: distributor-installer-end users to manage and control their device.

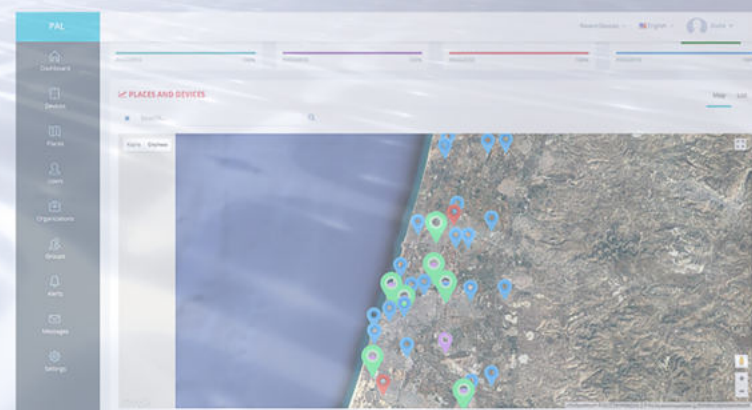# PAL ELECTRONICS SYSTEMS
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PAL ELECTRONICS SYSTEMS
User-Friendly Web Portal

- Connecting from anywhere in the world.

- Users & authorization management.

- Log history.

- Time events, time group, yearly calendar, installation status.

- "Control room" – fast opening via the portal.

- Real time technical data graphs presenting Voltage/
Cellular Signal/Ber Status.

- Advanced parking management - LPR

- Statistic reports.

- All data saved in a secure in the cloud with encrypted
communication.

PalGate App

www.pal-es.com
www.facebook.com/palcontrol

PAL ELECTRONICS SYSTEMS

PalGate Application

Pal's user-friendly App enables to manage & control all your gates & doors from the same App
Join more than 5 million satisfied users!

- Opening from anywhere in the world

- Permissions & user management

- Viewing of the last 50 actions.

- Emergency lock.

- Push notification option to indicate a relay status change.

- Multiple devices support for the user.

- Widget to the main screen for quick opening.

- Voice command-Siri-Google home-Google assistance.

- Automatic opening when approaching (in supporting devices)

My Devices — Edit

Search

Home Gate

Office Gate
22.1.2022, 18:25

Garage Door

Main Gate
20.1.2022, 14:57

Gym Door
23.1.2022, 8:08

Office Door

PAL ELECTRONICS SYSTEMS
Control room

Our cloud based web portal ensures automatic remotely online updates to keep the system 24/7 up to date.

Offering real time monitoring of all vehicles entering and exiting your parking lots. Each event is accompanied by a range of immediate actions that can be executed directly from the control room page.

PAL ELECTRONICS SYSTEMS
Wireless LPR All-in-one Parking control

Easy and fast installation without infrastructure.
Real time parking lot management and instant access
to all your data with an User-Friendly Web Portal.
Management of a parking lot inside a parking lot
Generate reports / statistics.
Limited / separate permissions for each vehicle / user.
Guest access with PalGate App for Android / iOS.
View time to stay in the car park.
 Possibility to integrate with systems for opening via
smartphone application.
Instant and automatic software updates.
All data is fully secure with encrypted connection.

PAL ELECTRONICS SYSTEMS

VPS - Video Panel System

PAL ELECTRONICS SYSTEMS

VPS - Video Panel System

Wireless Video Intercom panel
Easy and fast installation without communication infrastructure
Web portal Cloud management
Video calls and users management with PalGate App
Anti-vandal 7″ touch screen
Wide angle camera for high quality calls
Hidden powerful speaker
Support multiple access control methods: PalGate App,
NFC, RFID tags, Keypad
Support 4G cellular networks, RJ45 PoE+, Wi-Fi, Bluetooth
Colors: black or white

Android   IOS   Siri   Apple watch   Google assistant   Bluetooth

Wi-Fi   NFC   Cellular   PoE+   Wiegand Reciever   433MHz Reciever

PAL ELECTRONICS SYSTEMS
SPIDER 50

SPIDER 50

1 N.O./N.C. output
1 N.O./N.C. input

Suitable for private homes, offices, small condominiums

50 PalGate App users
Open by proximity / App / dialing / Siri / Google Assistant
Allowing customize distance opening.
Control with free application or User-Friendly Web Portal*
Real time notifications to Email, push to PalGate app
API*
Unlimited logs*
Timers / events
Programmable Astronomical clock
Import/Export Excel files
Programmable relay pulse width
Support 3G/4G networks/Bluetooth/Wi-Fi*
Input voltage 12-24 VDC
Size 50x80 mm

* Optional feature

PAL ELECTRONICS SYSTEMS
SPIDER i

SPIDER i

1 N.O./N.C. output
1 N.O./N.C. input

Suitable for offices and large condominiums,small communities

Unlimited PalGate App users
Open by proximity / App / dialing / Siri / Google Assistant
Allowing customize distance opening.
Control with free application or User-Friendly Web Portal*
Real time notifications to Email, push to PalGate app
API*
Unlimited logs*
Timers/events
Programmable Astronomical clock
Import/Export Excel files
Programmable relay pulse width
Support 3G/4G networks/Bluetooth/Wi-Fi*
Input voltage 12-24 VDC
Size 50x80 mm

* Optional feature

PAL ELECTRONICS SYSTEMS
SPIDER i-WR

Suitable for offices and large condominiums, small communities

SPIDER i-WR

1 N.O./N.C. output
1 N.O./N.C. input
Wireless reciever

Unlimited PalGate App users
Open by proximity / App / dialing / Siri / Google Assistant
Allowing customize distance opening.
4000 smart remote controls
Control with free application or User-Friendly Web Portal*
Real time notifications to Email, push to PalGate app
API *
Unlimited logs*
Timers / events
Programmable Astronomical clock
Import/Export Excel files
Programmable relay pulse width
Support 3G/4G networks/Bluetooth/Wi-Fi*
Input voltage 12-24 VDC
Size 50x80 mm

* Optional feature

PAL ELECTRONICS SYSTEMS
SPIDER i-WRL

Suitable for private homes, connection to
Vehicle detector & remote control

SPIDER i-WRL

1 N.O./N.C. output
1 N.O./N.C. input
Wireless reciever

3 PalGate App users
Open by proximity / App / dialing / Siri / Google Assistant
Allowing customize distance opening.
4000 smart remote controls
Control with free application or User-Friendly Web Portal*
Real time notifications to Email, push to PalGate app
API *
Unlimited logs*
Timers / events
Programmable Astronomical clock
Import/Export Excel files
Programmable relay pulse width
Support 3G/4G networks/Bluetooth/Wi-Fi*
Input voltage 12-24 VDC
Size 50x80 mm

* Optional feature

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PAL ELECTRONICS SYSTEMS
SPIDER B

PAL ELECTRONICS SYSTEMS
We make it smarter

SPIDER B

2 N.O./N.C. output
2 N.O./N.C. input

Suitable for connecting two adjacent gates, roller shutter, 2 doors.

Unlimited PalGate App users
Open by proximity / App / dialing / Siri / Google Assistant
Allowing customize distance opening.
Control with free application or User-Friendly Web Portal*
Real time notifications to Email, push to PalGate app
API *
Unlimited logs*
Timers / events
Programmable Astronomical clock
Import/Export Excel files
Programmable relay pulse width
Support 3G/4G networks/Bluetooth/Wi-Fi*
Input voltage 12-24 VDC
Size 50x80 mm

* Optional feature

PAL ELECTRONICS SYSTEMS
SPIDER B-WR

Suitable for connecting two adjacent gates, roller shutter, 2 doors.

2 N.O./N.C. output
2 N.O./N.C. input
Wireless reciever

Unlimited PalGate App users
Open by proximity / App / dialing / Siri / Google Assistant
Allowing customize distance opening
4000 smart remote controls
Control with free application or User-Friendly Web Portal*
Real time notifications to Email, push to PalGate app
API *
Unlimited logs*
Timers / events
Programmable Astronomical clock
Import/Export Excel files
Programmable relay pulse width
Support 3G/4G networks/Bluetooth/Wi-Fi*
Input voltage 12-24 VDC
Size 50x80 mm

SPIDER B-WR

* Optional feature

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PAL ELECTRONICS SYSTEMS
SPIDER WIEGAND 26

PAL ELECTRONICS SYSTEMS
We make it smarter

2 N.O./N.C. output
2 N.O./N.C. input
Wireless reciever
Wiegand 26 input

Unlimited PalGate App users
Open by proximity / App / dialing / Siri / Google Assistant /
any external Wiegand 26 device
Allowing customize distance opening
4000 smart remote controls
Control with free application or User-Friendly Web Portal*
Real time notifications to Email, push to PalGate app
Wiegand 26 input connection
Unlimited logs*
Timers / events
Programmable Astronomical clock
Import/Export Excel files
Programmable relay pulse width
Support 3G/4G networks/Bluetooth/Wi-Fi*
Input voltage 12-24 VDC
Size 50x80 mm

SPIDER
WIEGAND 26

* Optional feature

PAL ELECTRONICS SYSTEMS
SG315 Encrypted remote

128-bit encryption - IMPOSSIBLE TO DUPLICATE !
User-Friendly Web Portal - add/remove remote controls and
view battery voltage.
Access permission by hours/days/dates
Each remote control can be associated to more than one system.
Unique digital ID (serial number) and encryption key to each
remote control
Working range up to 100 meters
Option to choose which button will work, in case of 2 gates
in the same range.
Option to activate a series of remote controls in a few seconds
using one Excel file.
Led light indicator.
Easy battery change
Compatible with all WR-series models

PAL ELECTRONICS SYSTEMS
VD900 Vehicle detector

Easy installation-Wireless - No road quarrying is needed.

Unique ID (serial number) for each one

Full control from web interface

Working range: 15 meters

Pairing with PAL electronics WR series systems

Batery lifetime about 7 years

Timer by hours/days/dates

PAL ELECTRONICS SYSTEMS
RFID Long range entry control

Easy installation
System control and management with User-Friendly Web Portal
Unlimited authorized users (stickers)
Groups for access control by time, days and dates
Records at least 10000 tag numbers in an internal log.
Support all 3G/4G Networks.
1 optical solid state relay output.
3 Indication LED's.
Operating Power 12VDC.
Dimensions control box 70x50x20.5mm

PAL ELECTRONICS SYSTEMS
BT-10 Bluetooth

Control and open gates/doors with free application
Siri and shortcuts (Widgets) support
Control with free "PalGate" App/User-Friendly Web Portal
Bt-10 device uses Bluetooth Smart 128bit connection
which is extremely complicated to detect..
Unlimited users without subscription
Add/delete users from the application/web interface.
Several gates/doors can be controlled by the application and
multiple phones can be connected to the device.
Operating power 12-24 DC

PAL ELECTRONICS SYSTEMS

Comparison table

Model	Spider – 50	Spider –i	Spider – B	Spider i-WRL	Spider i-WR	Spider B-WR	Spider – Wiegand 26
Features	4G+BT controller with 1 relay output and 1 input	4G+BT controller with 1 relay output and 1 input	4G+BT controller with 2 relay output and 2 input	4G+BT controller + Receiver with 1 relay output and 1 input	4G+BT controller + Receiver with 1 relay output and 1 input	4G+BT controller + Receiver with 2 relay output and 2 input	4G+BT controller + Receiver with 1 relay output and 1 input Wiegand 26
Control with application IOS & Android	✓	✓	✓	✓	✓	✓	✓
Control by WEB interface	✓	✓	✓	✓	✓	✓	✓
User definition Neaby only or unlimited distance	✓	✓	✓	✓	✓	✓	✓
Excel import/export	✓	✓	✓	✓	✓	✓	✓
Schedule managment control	✓	✓	✓	✓	✓	✓	✓
Supports smart remote & control Wireless vehicle detector	--	--	--	4,000	4,000	4,000	4,000
Output (N.O/N.C)	1	1	2	1	1	2	1
Input (N.O/N.C)	1	1	2	1	1	2	1
Max users	50	12,000	12,000	3	12,000	12,000	12,000
wiegand 26 bit reader	--	--	--	--	--	--	✓
Size and Weight with pakege	8*5*2.5 cm 80 gr	8*5*2.5 cm 80 gr	8*5*2.5 cm 80 gr	8*5*2.5 cm 90 gr	8*5*2.5 cm 90 gr	8*5*2.5 cm 90 gr	8*5*2.5 cm 90 gr
P/N							
USA	SP100	SP101	SP102	SP110	SP111	SP112	SP113
Australia	SP200	SP201	SP202	SP210	SP211	SP212	SP213
Europe	SP300	SP301	SP302	SP310	SP311	SP312	SP313

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