



HDOOREVO

User Manual

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Important safety instructions



Disconnect the power supply whenever you proceed to the installation or repair of the equipment.

In compliance with the European Low Voltage Directive, we inform you of the following requirements:

- When the devices remain permanently connected, an easily accessible connecting device must be incorporated into the wiring.
- This system must only be installed by qualified professionals that have with automated garage doors and knowledge of the relevant European standards.
- The user instructions for this device must always be in the user's possession.
- The operating frequency of the receiver does not interfere in any way with the 868 MHz remote control systems.

Use of the equipment

This device is designed for applications with an automated garage door. It is not guaranteed for the direct activation of devices other than those specified. The manufacturer reserves the right to change the device specifications without warning. No liability can be accepted for errors and misprints.

Introduction

General description

HDOOREVO is a Motion and Bluetooth receiver connected with **information on the state of the door and with remote activation in real time**.

Save on commutes and secure your installation.

Since the **HONOADOOR** solution devices are connected to the Internet, you can manage them anywhere and instantly, through **cloudAssistant** by JCM, providing a fast response thanks to online management and task automation.

You can open the door with the **MOTION** control, **MOTION** proximity tag, and/or **WIEGAND** devices.

Along with **cloudAssistant**, you can use HDOOREVO to instantly check the door's operation from your office, avoiding unnecessary trips to check that installations are working properly and to detect and manage suspicious fobs.

The device can work without an Internet connection, but it does require a connection for certain functions.

An Internet connection is required for:

- Setting up the device in **cloudAssistant**:
 - Setting and assigning time slots with the annual holiday calendar
- Checking the entry status in **cloudAssistant**
- Reading events in **cloudAssistant**
- Registering and cancelling fobs & tags
- Alerts and notifications

Settings are adjusted through the **cloudAssistant** (v4 or later) with a WIFI connection.



Features

Power supply: The equipment is powered with a 110Vac to 230Vac voltage. 500mA protective fuse.

Relay Output: The equipment has 2 adjustable open or closed contact relay outputs. These outputs can be programmed to be activated with different fob channels through **cloudAssistant**. Moreover, these relays can be remotely activated in real time with the **cloudAssistant**.

Inputs: The equipment has 2 inputs to connect 2 limit switches to monitor the door's status (Open/Closed).

868MHz MOTION receiver module: The equipment has an 868MHz MOTION receiver module to receive from fobs.

Extension module for wired keyboards and readers: the device includes two "Wiegand" inputs, a "Wiegand" output, and a "BUS-L" input, whose settings can be managed with **cloudAssistant**. Consumption of devices connected to these inputs cannot exceed 250mA.

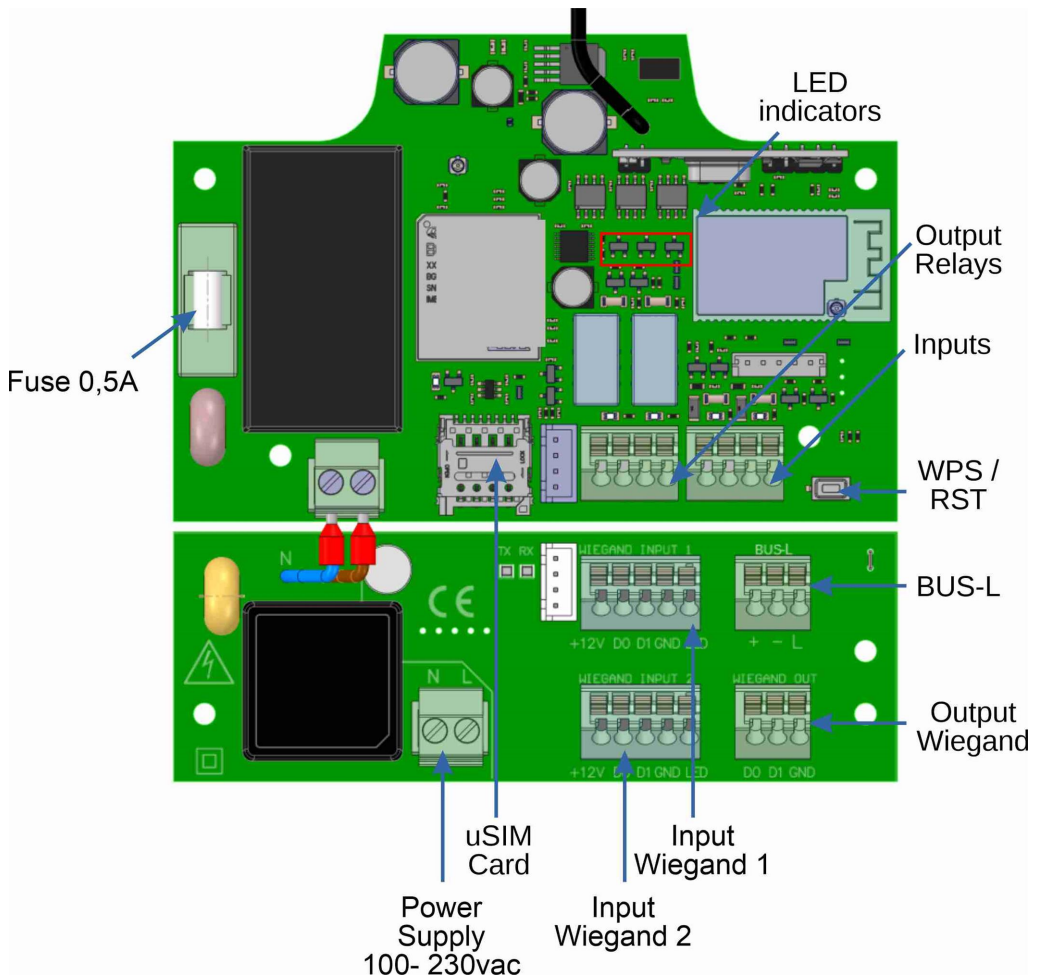
WIFI / GSM Module: The equipment has a WIFI / GSM communication module for connection to the Internet.

Users: Up to 2000 users managed with **cloudAssistant**.

Events: Up to 2000 events may be viewed through **cloudAssistant**.

Statistics and information on use: You may use **cloudAssistant** to view a daily graph of the number of relay activations, accepted and rejected users, open-door and closed-door events, data consumption, and more.

Light-up signals: The equipment has three LED indicators: "ST", "NW", and "IN" to indicate the **cloudAssistant** connection status.



Installation

Attach the back of the box to the wall with the plugs and screws supplied.

Connect the equipment. Attach the front of the receiver to the back part with the screws supplied for this purpose.

Connection

POWER INPUT: Power supply at 230Vac.

R1:RELAY Channel 1. Potential-free contact.

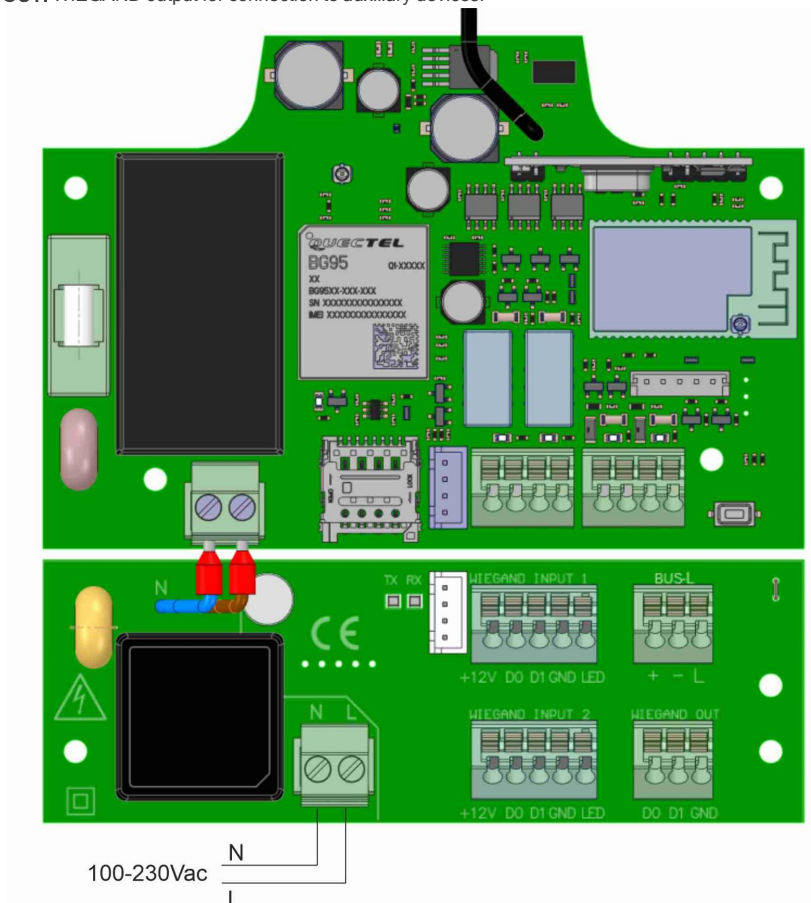
R2: RELAY Channel 2. Potential-free contact

- Characteristics of output relays (for resistive load):
- Maximum current: 2A.
- Maximum power: 60W / 62.5VA.
- Maximum voltage: 24V ac/dc.

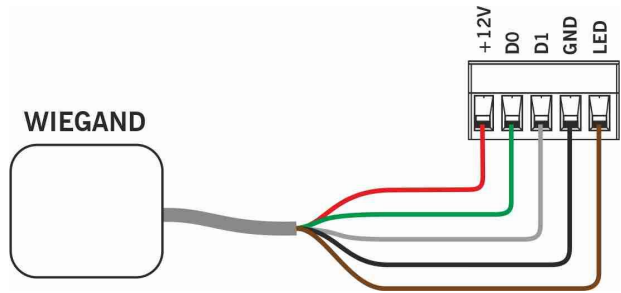
IN1: Monitoring input for NC contact.

IN2: Monitoring input for NC contact.

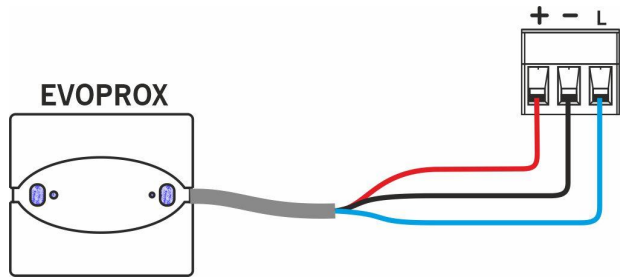
WIEGAND OUT: WIEGAND output for connection to auxiliary devices.



WIEGAND INPUT X: See WEIGAND device manual to view the connection.



BUS-L: See EVOPROX device manual to view the connection.



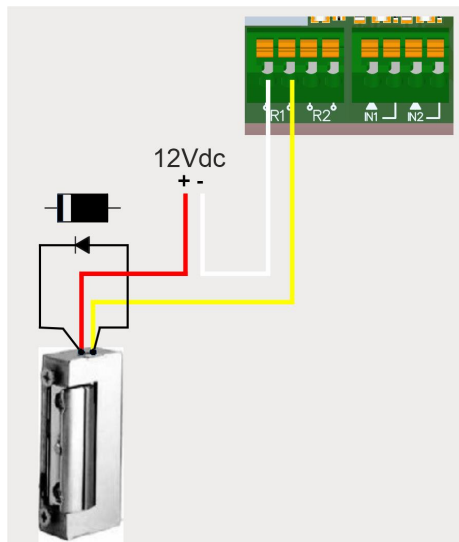
Electric lock or suction cups

The relays can switch up to 2A of resistive loads. The number of manoeuvres depends on the type and characteristics of the loads.

With resistive loads, they can reach 1000000 manoeuvres with 30W loads.

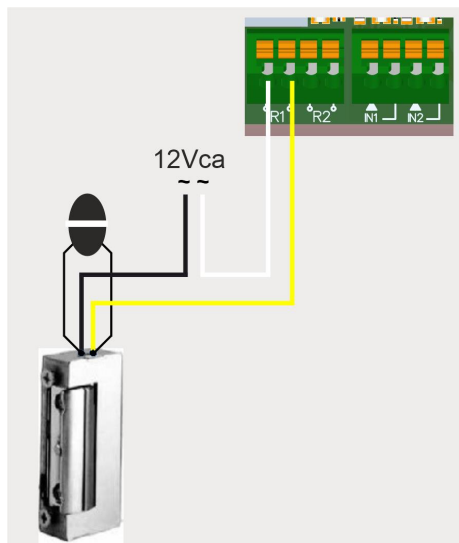
DC inductive loads: 30W / 30Vdc / 1A -> 500000 manoeuvres. One diode (1N4007) along with the electric lock or suction cups is necessary in parallel.

Example relay connection 1:



AC inductive loads: 30Va / 30Vac / 1A -> 750000 manoeuvres. A varistor (V68ZA2) with electric lock or suction cups is necessary in parallel.

Example relay connection 1:



! If using suction cups, the relay type must be "Normally closed" (see: "Configuring relays and assigning traffic schedules").

! The diode or varistor must be connected as close as possible to the electric lock or suction cup.

Configuration

Connect to the Internet

The device must be connected to the Internet to change its settings, but it does not require a connection to function.

If the device comes with a SIM card supplied: power on the device and wait about 5 minutes until it connects to the Internet (LEDs solid green).



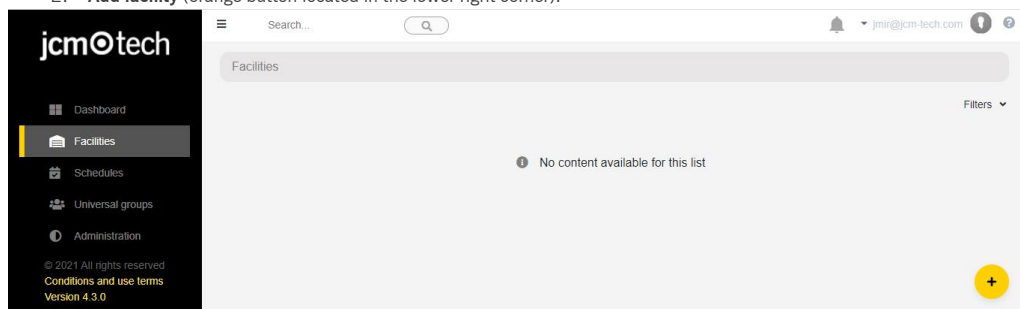
If the device does NOT come with a SIM supplied: see "Connect to a WiFi network" in "Solving problems".

Configuration with cloudAssistant

Registering the equipment

Once the equipment has an Internet connection, it can be configured:

1. Enter cloudAssistant: <https://cloudassistantv4.jcm-tech.com/login> and login.
2. Add facility (orange button located in the lower right corner).



3. Fill the fields. **Save.**

Facilities / New Facility

Create facility

Name *	Address *	City *	Postal code
Facility 123	Address 123	City 123	123
Contact	Phone	Country *	Next maintenance date *
Contact 123	555 - 123	Country 123	22-12-2022
Comments		Unique identifier	<input type="checkbox"/> Use installer code

4. **Equipments** -> **Add equipment** (orange button located in the lower right corner).

Instalaciones / Instalación 123 / Equipos

Instalación 123 Dirección 123 Ciudad 123

INFORMACIÓN EQUIPOS GRUPOS

i No hay contenido disponible para este listado

+

5. Enter a name for the device and select HONOADOOR. **Save**.

Facilities / Facility 123 / Equipments / New Equipment

Create equipment

Name * HONOA DOOR Device * HONOADOOR

Save Back

6. Enter the **Activation Key** (found in the device label). Select the pertinent **Timezone** and assign names and work modes to the entries. **Save**.

The names assigned to the entries are the same ones that appear in "Remote state" (see: Operational Mode).



HONOA DOOR

Name *

HONOA DOOR

Device *

HONADOOR

Parameters

Relays

Fobs

Groups

Events

Activation key	1Si8-vJcA-Vso4-BEzu
Active group on FREE system	No
Group number on FREE system	0
Group 0 on FREE system blocked	No
Data usage	Low
Timezone	Europe/Madrid
Anti-Passback Mode (APB)	Unused
Anti-passback reset time in hours (Anti-timeback)	0
HONOA Allow remote opening	Yes
HONOA Allow BlueTooth hands-free	Yes
Input 1 name	Open door
Input sensor 1 mode	[Door 1] Normally closed opening limit switch
Input 2 name	Close door
Input sensor 2 mode	[Door 1] Normally closed closing limit switch

Save

Back

The Activation key and the Timezone are the only mandatory fields to register users.

If working with Wiegand, see "Wiegand: Settings".

Registering groups and users

- 1. **Groups** -> **Add** (orange button located in the lower right corner).

HONOA DOOR

Name *

HONOA DOOR

Device *

HONOADOOR

Parameters

Relays

Fobs

Groups

Events

Name

Actions

Save

Back

+

- 2. Enter Name and Description. **Save**.

Create facility group

Name *

USERS GROUP

Description

Description 123

Save

Back

3. Activate the relays by selecting any of the channels. **Back.**

Facilities / Facility 123 / Groups / USERS GROUP / Configuration

Relays Schedules

USERS GROUP

HONOA DOOR

OPEN CLOSE

☒ Channel: 1

☐ Channel: 2

☐ Channel: 3

☐ Channel: 4

Back

If this is a group of devices working with fobs, the selected channels match the function that the fob will have.

4. On the group screen: **Enroll code** to add fobs.

Facilities / Facility 123 / Groups / USERS GROUP

USERS GROUP

FOBS USERS INFORMATION

Available 2000 Reserved 0 Used 0

	Ala...	Code	Type	Name	Surname	Identity card

There is no data available.

Enroll code

Back

If working with Wiegand, see "Wiegand: Add users."

5. **Manual** to add one by one, **Sequential** to add a series of fobs. Fill in the fields correctly, enter the serial number correctly. **Accept**.

Facilities / Facility 123 / Groups / USERS GROUP / Enroll process

ManualSequentialReserve

Available
2000

Reserved
0

Used
0

Device *
MUVPRO4

Code *
381077

Name
Name 123

Surname
Surname 123

Id card
123

Slot
15

Accept

Back



This equipment does not work with reservation codes and does not allow replacements. All fobs must be directly managed with the equipment's memory with the button Save configuration.

6. Click "Installation Name" in the upper gray bar to go to installation.

Facilities / Facility 123 / Groups / USERS GROUP / Users

USERS GROUP

FOBS USERS INFORMATION

Available 1999 Reserved 0 Used 1

	FOBS ...	Email	Name	Surname	Phone	
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input type="checkbox"/>	+	jmir@jcm-tech.com	Jaume	Mir	555	

1 - 1 of 1 items

Back

7. Equipments -> Save configuration.

Facilities / Facility 123 / Equipments

Facility 123 Address 123 City 123

INFORMATION EQUIPMENTS GROUPS

HONOA DOOR

Save configuration



Every time an equipment parameter is modified, you must Save configuration.

Configure relays and assign traffic schedules

On the equipment's "Relays" screen:

InformationParametersRelaysFobsGroupsEvents

Relay 1 OPEN	<input checked="" type="checkbox"/>	Relay type 1 Normally open	Relay 1 activation time 1 s	Open door schedule --	Custom open door time schedule --
			Relay 1 delay time 0 s		Door open time 5 s
Relay 2 CLOSE	<input checked="" type="checkbox"/>	Relay type 2 Normally open	Relay 2 activation time 1 s	Open door schedule --	Custom open door time schedule --
			Relay 2 delay time 0 s		Door open time 1 s

Save

- **Relay X:** assign name to the relay
- **Selector:** enable / disable relay
- **Relay type X:** Bistable / Normally open/ Normally closed
- **Relay activation time X:** set the time that the relay remains active for (it is 1 second by default)
- **Open door schedule:** The relay activates automatically, based on the assigned weekly hours. Without assigned hours, the relay operates normally
- **Custom open door time schedule:** Activation time goes from 1 second to the time selected in "Door open time", based on the assigned weekly hours. Without assigned scheludes, the relay operates normally
- **Relay delay time X:** set the time that it takes for the relay to activate (it is 0 seconds by default)
- **Door open time:** time in seconds

For the activation times and schedule to work, the device must be connected to the Internet.



Every time an equipment parameter is modified, you must save con-figuration.

The assignment of a schedule to a group is done in the "Configuration" screen of groups:

The assignment of a schedule to a group is done in the "Configuration" screen of groups:

Facilities / Facility 123 / Groups / USERS GROUP / Configuration

Relays

Schedules

HONOA DOOR

OPEN

USERS

CLOSE

USERS

Back

For the schedule to work, the device must be connected to the Internet.

Administration: Honoa

Users may view your contact information by scanning the device QR code.
Contact information can be changed on the "Honoa" screen under "Administration".

Administration / Honoa

Web customizationInvitationsCompaniesUsersHolidaysHonoa

Customize device information for app HONOA

jcm○tech

Logo *

E-mail *
jmir@jcm-tech.com

Phone *
555 - 555

City *
City 123

jcm○tech

Collapsed logo

Web *
website.com

Address *
Address 123

Mobile preview

jcm○tech

Address 123
City 123
555 - 555
jmir@jcm-tech.com
website.com

SaveBack

Wiegand

The device has two inputs to connect Wiegand26 or Wiegand34 devices. It also has a Wiegand output for the "radio connect interface" feature.

You can manage settings for Wiegand formats through the **cloudAssistant**, and these settings are applied to Wiegand inputs and the output.

All devices connected to Wiegand input 1 act on channel 1, and the ones with Wiegand 2 on channel 2. You can define the channels that activate relays in group settings. There are no Wiegand channels 3 and 4.

Settings

In the device's "Parameters" tab, click the "Wiegand Configuration" icon.

The screenshot shows the 'HONDA DOOR' cloudAssistant interface. At the top, there's a header with 'HONDA DOOR' and 'HONADOOR'. Below it, a navigation bar contains tabs: 'Información', 'Parámetros', 'Relés', 'Emisores', 'Grupos', and 'Eventos'. The 'Parámetros' tab is active, and within it, the 'Configuración Wiegand' sub-tab is selected, indicated by a gear icon. The configuration table has the following fields:

Configuración Wiegand	
Nombre entrada 1	Puerta abierta
Modo entrada 1	[Puerta 1] Final de carrera apertura normalmente cerrado
Nombre entrada 2	Puerta cerrada
Modo entrada 2	[Puerta 1] Final de carrera de cierre normalmente cerrado
Nombre sensor radio 3	
Modo sensor radio 3	No usado
Clave sensor radio 3	
Nombre sensor radio 4	

At the bottom right of the configuration area, there are two buttons: 'Guardar' (Save) and 'Atrás' (Back).

Select the Wiegand format type; you can select between Wiegand26 and Wiegand34 formats.

This dialog shows the configuration for 'Formato Wiegand' set to 'Wiegand 26'. It includes the following fields:

- Paridad par (EP)**: De (1), Longitud (1)
- Código del sitio**: De (0), Longitud (0), Valor (0)
- Número de serie**: De (2), Longitud (24)
- Paridad impar (OP)**: De (26), Longitud (1)

At the bottom, there is a 32-bit binary display showing 'EP' followed by 30 'X's and a 'P'. Below the display are 'Guardar' and 'Cancelar' buttons.

This dialog shows the configuration for 'Formato Wiegand' set to 'Wiegand 34'. It includes the following fields:

- Paridad par (EP)**: De (1), Longitud (1)
- Código del sitio**: De (0), Longitud (0), Valor (0)
- Número de serie**: De (2), Longitud (32)
- Paridad impar (OP)**: De (34), Longitud (1)

At the bottom, there is a 34-bit binary display showing 'EP' followed by 32 'X's and a 'P'. Below the display are 'Guardar' and 'Cancelar' buttons.

If you wish to work in "Site Code" mode, you must set the length and value of this code. Otherwise, leave these fields at "0."

Add users

On the group screen assigned to the device, go to the "WIEGAND" tab. **Enroll code** to add fobs.

Groupe 1

FOBS

WIEGAND

USERS

INFORMATION

Available 4998 Not assigned 0 Used 2

Code	Type	Name	Surname	Identity card	Slot	
2394621064	Wiegand	Mathieu	Clément	123456789Z	15	

Enroll code

+

Back

Manual to add one by one, **Sequential** to add a series of fobs. Fill in the fields correctly, enter the serial number correctly.
Save

Facilities / Installation 123 / Groups / Groupe 1 / Wiegand / New

Manual

Sequential

Available 4998 Not assigned 0 Used 2

Device *

Wiegand

Code *

2394621065

Name

Lester

Surname

Burnham

Identity card

123

Slot

15

Save

Back

A WIEGAND code can numerically match a MOTION code.
The device tells them apart based on the technology used, making them 2 totally different codes.

Detection of suspicious codes only works with MOTION fobs.

Click "Installation Name" in the upper gray bar to go to installation.

Facilities / Installation 123 / Groups / Groupe 1 / Wiegand

Groupe 1



FOBS WIEGAND USERS INFORMATION

Available 4997 Not assigned 0 Used 3

<input type="checkbox"/>	Code	Type	Name	Surname	Identity card	Slot	
<input type="checkbox"/>	239461065	Wiegand	Lester	Brumham	123	15	
<input type="checkbox"/>	2394621064	Wiegand	Mathieu	Clément	123456789Z	15	

H 1 H

1 - 2 of 2 items



+

Back

Equipments -> Save configuration






Facilities / Facility 123 / Equipments


Facility 123 Adress 123 City 123

INFORMATION EQUIPMENTS GROUPS

HONOA DOOR

Save configuration





Every time an equipment parameter is modified, you must Save configuration.

The device has capacity for 2,000 codes in total, whether MOTION or WIEGAND.

If there is a device in a user group with a lower MOTION code capacity, the maximum number of MOTION codes that can be added to the group will be limited by the device with the fewest number of codes.

WIEGAND codes can only work with HONOADOOR devices.

If there is a device in the user group that does not accept WIEGAND codes, the limit on codes accepted by the group will not use the WIEGAND codes but will allow them to be managed and registered in HONOADOOR devices from the user group.

Example: In a group that affects an HDOOR EWG (2,000-code capacity) and a BASE500-2 (500-code capacity), the maximum capacity for available codes for the group would be 500 codes. However, up to 1,500 MIFARE codes could be added, which would not work with the BASE500-2, without decreasing the group's free codes.

Events

HDOOREVO is a device with an event record. To see them, in **cloudAssistant**, go to the device's **"Events"** screen. Events are stored locally on the device. When HDOOREVO does not have an internet connection, the device keeps working, but it cannot read the events. To load the list of events from the device, go to the **"Events"** screen → **"Load events"**. To read the events, the device must be connected to the Internet.

Facilities / Facility 123 / Equipments / HONOA.DOOR / Events

HONOA DOOR

Name *
HONOA DOOR

Device *
HONOA.DOOR

Parameters Relays Fobs Groups **Events**

Date	Event	User	Code	Group	Additional informat...
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

There is no data available.

0 - 0 of 0 items

Load events Remove events

Save Back

To reset the device's list of events, select **"Remove events"**.

List of available events:

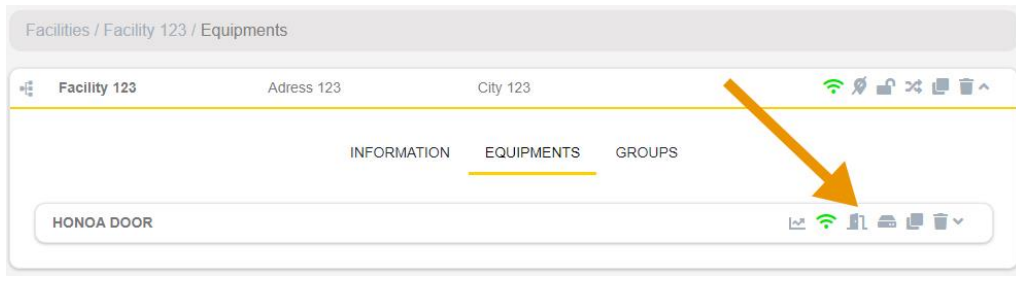
- Access denied / Fob not programmed or disabled
- Access denied/Tag/Wiegand not programmed or disabled
- Access denied / Suspicious transmitt
- Access denied / Out of calendar
- Access denied / Wrong channel
- Access denied / APB
- Access granted
- Door open/closed
- Access granted / Button
- Safety input activated
- Power on
- Eventlog reset
- FOTA

Operational mode

Remote control from cloudAssistant

To control the equipment remotely it is necessary to have it connected to the Internet:

- Go to "Facilities" -> "Facility name" -> "Equipments"-> Select "Remote State" (button with the door).



Remote state

Door status 1

Status Closed

Input status

Open door ☒

Close door ☒

Relays

OPEN activation time in sec 1

CLOSE activation time in sec 1

Device information

Device type	HONADOOR / EBASEDOOR
Connection type	WiFi
Connection signal	Excellent
RSSI Value	-45 dBm
Hardware version	EBASEDOOR_02
Software version	00.00.06.15

We can view the status of the inputs and remotely activate the equipment's relays. You also have information on the equipment (equipment versions, connection levels, etc.).

Anti-Passback

HDOOREVO can operate with Anti-Passback. **The Anti-Passback feature only works with MOTION tags and fobs (with compatible references).**

The Anti-Passback is to monitor passage, preventing a user from entering twice consecutively in the same direction. The user must enter once in each direction (entry and exit).

MODE1:

Designed for one single access that works as both entry and exit at once.

Watch is only kept over entry.

- Entry not permitted if you are INSIDE.
- Exit permitted even if you are OUTSIDE.

It is mandatory that the access have magnetic presence-detection loops.

- The same transmitter channel is used for entry and exit.
- The status of the loops will be read to grant or deny permission for the movement.

The access may have proximity readers.

- The entry and exit Evoprox reader must be configured with the same channel.
- The status of the loops will be read to grant or deny permission for the movement.

Sketch HDOOREVO installation with layout of inputs Anti-Passback mode operation with magnetic Entry/Exit detectors:

POWER INPUT: Power supply at 230Vac.

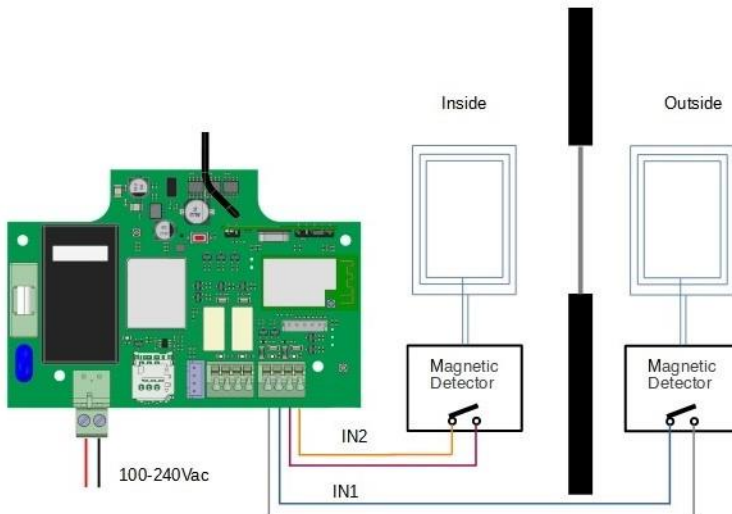
R1:RELAY Channel 1. Potential-free contact.

R2: RELAY Channel 2. Potential-free contact

- Characteristics of output relays (for resistive load):
- Maximum current: 2A.
- Maximum power: 60W / 62.5VA.
- Maximum voltage: 24V ac/dc.

IN 1: Exterior magnetic detector open-contact input.

IN 2: Interior magnetic detector open-contact input.



Settings in cloudAssistant

Facilities / Facility 123 / Equipments / HONOA DOOR / Parameters

HONOA DOOR

Name *

HONOA DOOR

Device *

HONADOOR

Parameters

Relays

Fobs

Groups

Events

Timezone	Europe/Madrid
Anti-Passback Mode (APB)	Mode 1 (1 entry/exit door)
Anti-passback reset time in hours (Anti-timeback)	0
HONOA Allow remote opening	Yes
HONOA Allow BlueTooth hands-free	Yes
Input 1 name	Anti-Passback in
Input sensor 1 mode	Input APB normally open
Input 2 name	Anti-Passback out
Input sensor 2 mode	Output APB normally open

Save

Back

The Anti-timeback is a timed Anti-Passback. It allows two consecutive entries in the same direction after the selected time has passed. By default to 0 (without Anti-timeback).

Verification

LED behaviour



OFF



FIXED



BLINKING

State	Status LED	Network LED	Internet LED	Action
Power off				-
No Firmware				CALL TECHNICAL SUPPORT
Starting				WAIT
Wi-Fi/GSM Configuring				Use embedded web or WPS to configure connectivity
Wi-Fi/GSM Configuring timeout				Reset device
Connecting Wi-Fi/GSM				WAIT
WIFI/GSM Error				WRONG WI-FI/GSM PASSWORD
Internet Connecting				WAIT
Internet Error				CHECK ROUTER (INTERNET)
JCM Cloud Connecting				WAIT
JCM Cloud Error				CALL TECHNICAL SUPPORT
Ready				-
Reset				Keep reset button pressed
Update				WAIT
Communicating				-

Solving problems

Connect to a WiFi network



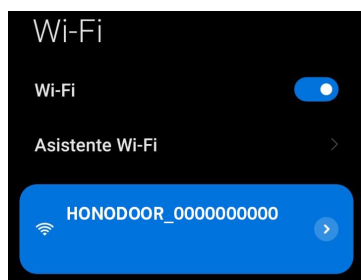
If the equipment comes with a SIM supplied, skip this section.

With the device connected to a power source, check that the ST LED is blinking green, and that the NW LED is blinking in red. If this is not the case, hold the WPS / RST button for 10 seconds (release when the ST LED is solid green, and the NW LED is solid red).



If you cannot find the WPS / RST button or the LED lights, see the image on page 6.

Use your phone or computer to connect to the WIFI network **HONADOOR_0000000000**. "0000000000" is in reference to the device's serial number (found on the label on the back of the device).



Set up the HONADOOR_0000000000 connection: the settings website will automatically appear (if not, go to **192.168.4.1** on your browser):

Select the WIFI network to connect to (the signal must be **Good** or **Poor** for optimum operation), enter the WIFI password, and press "Save".

[Scan](#)

WiFi 4815162342	Good
Bar Quick WiFi	Good
DONTSTOLEMYWIFI	Poor
freeWiFi	Bad

SSID

password

Save

Wait until the three LED lights are solid green, indicating that the WIFI connection has been successfully established. This operation may take a minute.



Resolve reception issues

In the event that the equipment does not have optimum reception where it is installed, you may purchase one of the following antenna boosters by contacting your regular supplier:

1. WIFI/BLE -> 1007315_BLE_ANT_2M
2. GSM/2G/LTE -> 1007316_MLTE_ANT_3M

[illegible]

Technical data

Parameter	Value
Power Supply	100 - 230Vac
Stand-by / operating consumption	0,250A / < 0,001A
Relay Contacts (R1 / R2)	2A Resistive load
Operating temperature	-20°C / +55°C
Size (L/W/H)	140 x 220 x 55mm
Watertightness	IP54 (with cable gland IP65)
Operating frequencies	868MHz
Coding	High security changing code
Memory	2000 codes
GSM network type	LTE Cat M1/Cat NB2/EGPRS
Network type	WIFI/BLE
Access control output: WIEGAND + BUS-L	12v (max 250 mA.)

Regulatory Data

UKCA Declaration of conformity

The manufacturer **JCM TECHNOLOGIES, SAU** declares that the product **HDOOREVO** complies with the relevant fundamental requirements of the Radio Equipment Regulations 2017 and of the RoHS Regulations 2012.

EU Declaration of conformity

The manufacturer **JCM TECHNOLOGIES, SAU** declares that the product **HDOOREVO** complies with the relevant fundamental requirements of the RED Directive 2014/53/EU and of the RoHS Directive 2011/65/EU.

See website <https://www.jcm-tech.com/declarations/>

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