



HONOARELAY

User Manual

Table of contents

Important safety instructions	3
Important safety instructions for installation	3
Important safety instructions for use	3
Use of the equipment / Use of the system	3
Introduction	4
General description	4
Features	5
Installation	7
Connection	7
Electric lock or suction cups	8
Internet	9
Offline Operation	9
Connecting to the Internet	9
Via WiFi	9
Diagnostics Webpage	11
Bluetooth	11
WiFi	12
Firmware version	12
Configuration (cloudAssistant)	13
Registering the equipment	13
Registering groups and users	16
Configure relays and assign traffic schedules	19
Set group schedules	20
Administration: Honoa	21
Events	22
Operational mode	23
Remote control from cloudAssistant	23
Verification	24
LED behaviour	24
Technical data	25
Regulatory Data	25
UKCA Declaration of conformity	25
EU Declaration of conformity	25

Important safety instructions



This manual contains important instructions and warnings for personal safety. Carefully read all parts of this manual. If in doubt, suspend installation immediately and contact the manufacturer Technical Assistance.

Keep this manual in a safe place to enable future product maintenance and disposal procedures.

Important safety instructions for installation



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

- Install any permanent control next to the door away from any moving part and at a minimum height of 1.5m.
- For permanently connected equipment, an easily accessible power disconnection device must be incorporated into the wiring. It is recommended that this be of the emergency switch type.
- This equipment can only be handled by a specialist fitter, by maintenance staff or by a suitably trained operator.
- Use protective goggles when handling the equipment.
- Fuses must only be handled when the appliance is disconnected from the mains.
- The instructions for using this equipment must remain in the possession of the user.
- Never apply modifications to any part of the device. Operations other than those specified may only cause malfunctions. The manufacturer declines all liability for damage caused by makeshift modifications to the product.
- Never place the device near to sources of heat and never expose to naked flames. These actions may damage the product and cause malfunctions.
- Handle the product with care, being sure not to crush, knock or drop it in order to avoid damage.

Important safety instructions for use

- This product is not intended for use by people (including children) with reduced physical, sensory or mental capabilities or who lack experience and knowledge, unless they have been given supervision or instruction concerning the use of the product by a person responsible for their safety.



PRODUCT DISPOSAL This product may not be disposed of together with domestic waste. Sort the materials for disposal, according to the methods envisaged by current legislation in your area, or return the product to the retailer when purchasing an equivalent product.

Use of the equipment / Use of the system

Designed for automation of garage doors, in accordance with the general description. Not guaranteed for other uses.

The manufacturer reserves the right to alter equipment specifications without prior notification. No liability can be accepted for errors and misprints.

Introduction

General description

HONOAARELAY is a Bluetooth receiver connected to the Internet that **activates with JCM TechnologiesS.A.' Honoa mobile application**.

Open the door with your mobile via Bluetooth or remotely with this solution that is 100% compatible with the access control systems already installed, maintaining control of the installation.

HONOAARELAY, together with **cloudAssistant**, allows you to manage permissions of the users of the HONOA APP and also allows you to check the operation of the door from the office and instantly, avoiding unnecessary trips to verify installations that work correctly.

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**
- Remote activation of the device with the HONOA APP

No Internet connection is required for:

- Setting up the device in **cloudAssistant**:
 - Name of the device that appears on the HONOA APP
 - Name of the relay that appears on the HONOA APP
 - Activating entrances and their settings
- Granting and revoking access permission on **cloudAssistant** for HONOA users
- Deactivating remote opening in HONOA through **cloudAssistant**
- Deactivating Bluetooth hands-free activation in HONOA through **cloudAssistant**

All changes to authorizations or settings in **cloudAssistant** shall be automatically updated in the HONOA APP.

For the HONOA APP to work properly on your phone, in addition to other requirements, you must authorize the use of phone data or WIFI, access to your location, and to work in the background.

The application does not require an Internet connection to activate the door.

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



Features

Power supply: The equipment is powered with a 12/24Vdc. The device has 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).

Bluetooth receiver module: The equipment has a Bluetooth receiver module to open the door in hands-free mode with a phone with the HONOA APP. **Hands-free activation** (BETA function) may be disabled for the entire device in **cloudAssistant**.

WIFI / GSM Module: The equipment has a WIFI / GSM communication module for connection to the Internet and for remote opening with a phone with the HONOA APP. **Remote opening** may be disabled for the entire device in **cloudAssistant**.

Users: Up to 5000 users managed with **cloudAssistant**.

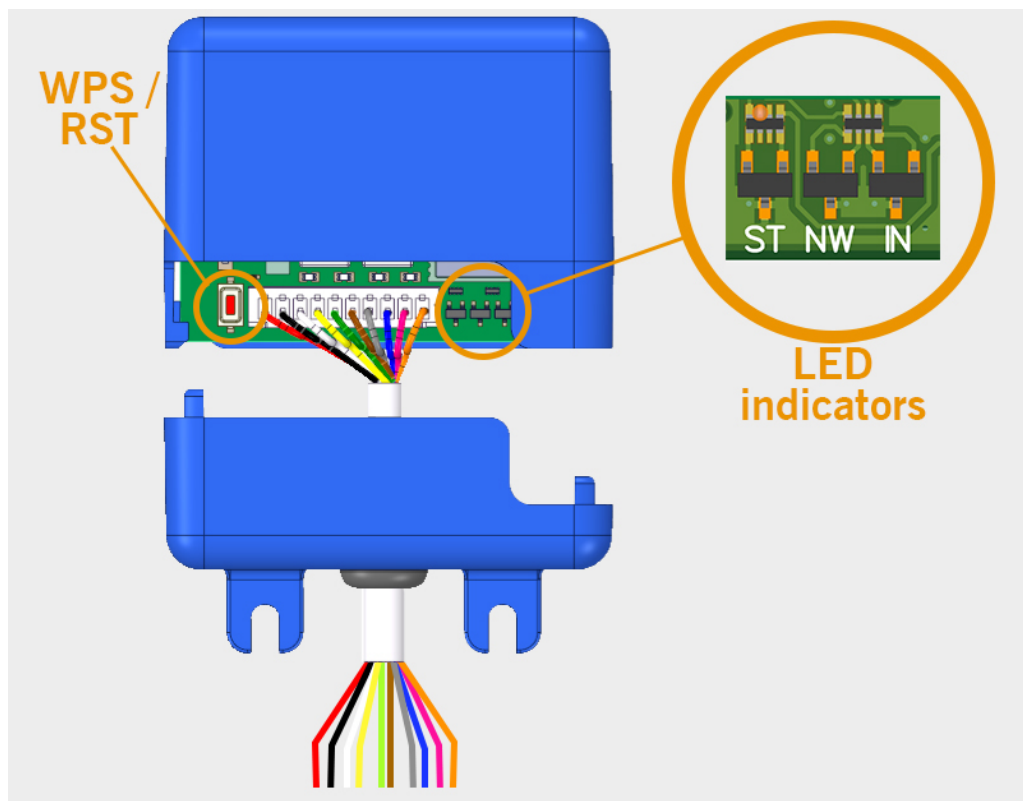
Events: Up to 2000 events may be viewed through **cloudAssistant**. Service available expansion to 5,000 events.

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.

More Information





Installation



The label containing the serial number and the activation code needed to adjust the device's settings is on the back of the device

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

Connection

HONOARELAY installation sketch with layout for inputs to monitor the door's status with limit switches.

POWER INPUT. 12/24Vdc power supply.

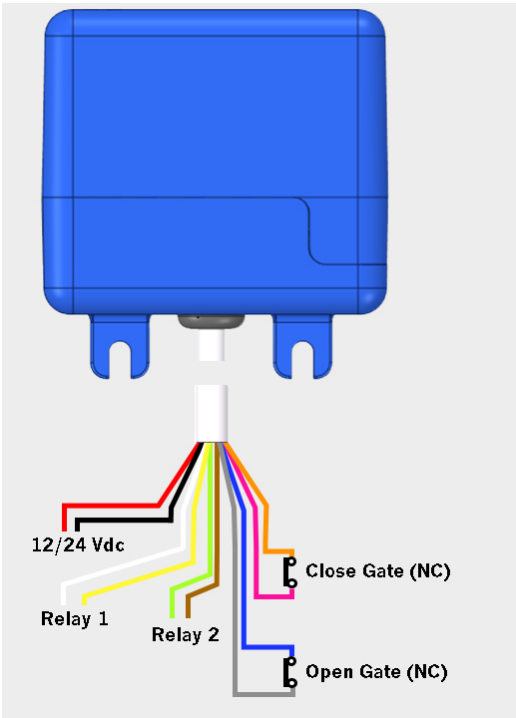
Relay 1 Output:Channel 1 relay, contact normally open..

Relay 2 Output: Channel 2 relay, contact normally open.

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

IN 1 input: Open door monitoring input.

IN 2 input: Closed door monitoring input.



Power Supply	Red	+12/24 Vdc
	Black	0 Vdc
Relay Output 1	White	
	Yellow	
Relay Output 2	Green	
	Brown	
IN 1 input	Gray	0 Vdc
	Blue	
IN 2 input	Purple	0 Vdc
	Orange	

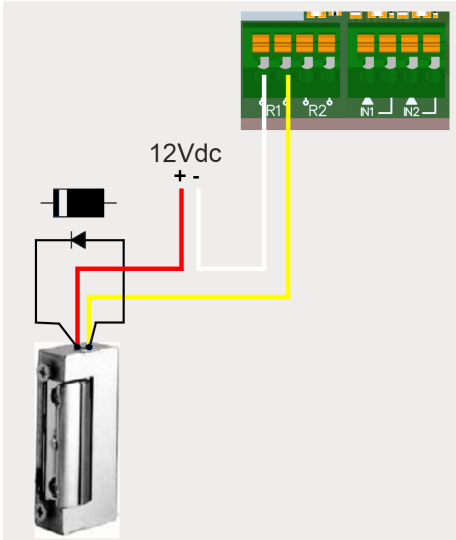
Electric lock or suction cups

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.

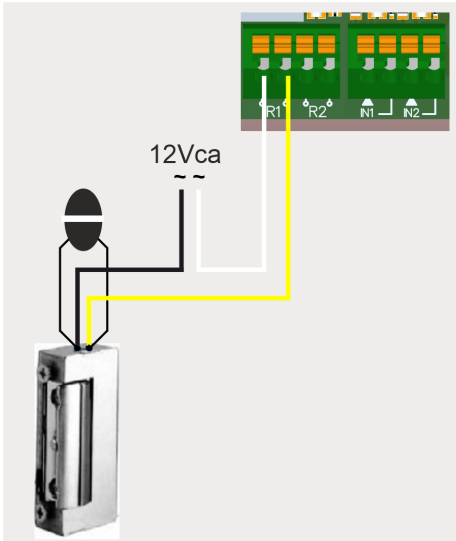
DC inductive loads: 30W / 30Vdc / 1A -> 500000 manoeuvres. One diode (1N4007) along with the electric lock or suction cups is necessary in parallel.

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.

Internet

Offline Operation

The device must be connected to the Internet for configuration but does not require an Internet connection for operation.

Without Internet Connection:

- Can be activated via the Honoa or Kaimai apps using Bluetooth.
- Allows adding, editing, and deleting Honoa or CUD (Kaimai) users from **cloudAssistant**.
- Respects assigned schedules (for up to 7 days), provided the power supply is not interrupted.

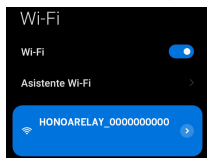
Connecting to the Internet

Via WiFi

With the device powered on, check that the ST LED is blinking green and the NW LED is blinking red. If not, press and hold the WPS / RST button for 10 seconds (release when the ST LED is solid green and the NW LED is solid red).



On the phone or computer, connect to the WiFi network HONOARELAY_0000000000. The configuration webpage will appear automatically. If not, go to 192.168.4.1 in the web browser.



On the configuration page, click "ADVANCED".

HONOARELAY

Current Status

Connected	Yes
Current Technology	WiFi 2.4GHz
RSSI	-72dBm,(56%)

ADVANCED

Current Config

Connection type	WiFi
SSID	JCMGroup
PASS	*****

Select the WiFi network to connect to (signal must be "Good" for optimal operation). Enter the WiFi password, select "WIFI" (instead of "OFFLINE") in "Connection mode", and click "Save".

Config Page

scan 

JCMTest

 Good

JCMGroup

 Good

JCMGroup

..... ☐

Connection mode

☒ WIFI

☐ OFFLINE

Inputs initialization

In1 config:

In2 config:

Save

Cancel

Wait until all three LEDs are solid green, indicating a successful WiFi connection. This process may take a minute.



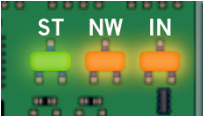
Once connected to the Internet, access the diagnostics webpage to verify the signal.



If the device does not connect to the Internet, access the diagnostics webpage.

Diagnostics Webpage

Press and hold the WPS / RST button for 3 seconds (release when the ST LED is green and the NW and IN LEDs are blinking red). The ST LED will turn green, and the NW and IN LEDs will turn orange.



On the phone or computer, connect to the WiFi network HONOARELAY_0000000000. The diagnostics webpage will appear automatically. If not, go to 192.168.4.1 in the web browser.

Diagnostics website

Objective:

This web gives local information describing the device status. This information can be used to solve troubleshooting from the user side.

Status data:

Parameter	Status
BLE status	OK
BLE MAC	40:22:D8:F8:02:D6
WiFi status	Enabled
WiFi MAC	40:22:D8:F8:02:D4
WiFi RSSI level	-75 dBm (50%)
WiFi link quality	[0-5] 3
WiFi stored SSID	JCMGroup
WiFi stored password	Stored OK
WiFi IP	172.22.128.40
WiFi gateway	172.22.0.254
Internet status	Unreachable
Net reconnections	8
Firmware version	1.01.12.00
Hardware	ERELAY_00
Time last message received	516327s
Messages received since power on	2
Messages sent today	4
Time UP	516348s

Bluetooth

Green BLE parameters indicate the device can operate with Bluetooth.

If any parameter is red, the device cannot be activated via Bluetooth using the Honoa and Kaimai apps.

Perform a visual inspection to ensure there are no issues, such as broken cables or disconnected antennas.

If the problem persists, send the device for repair.

WiFi

All green WiFi parameters indicate the device is connected to a WiFi network correctly.

WiFi MAC

Displays the WiFi MAC address, a unique identifier used by routers to communicate with the device.

WiFi RSSI level & WiFi link quality

Indicates the signal strength.

If the WiFi link quality is less than "3," it indicates low coverage.

WiFi stored SSID & WiFi stored password

Displays the WiFi network the device is connected to. The WiFi password is not displayed for security reasons.

If any parameter is red, connect to a WiFi network.

WiFi IP & WiFi IP

If any parameter is red, check the WiFi infrastructure and ensure the WiFi password was entered correctly.

Firmware version

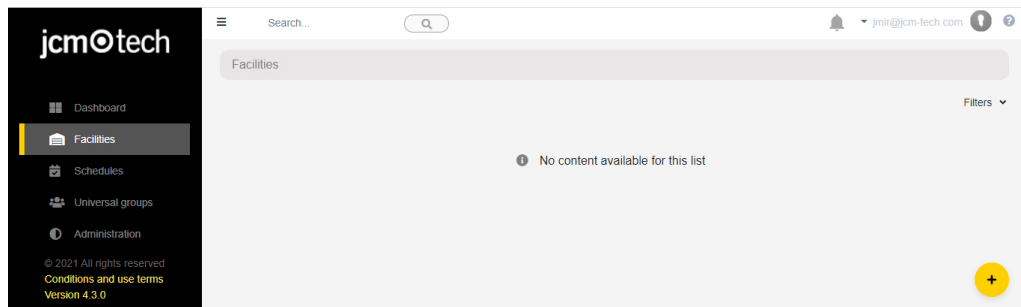
Displays the device's software version.

Configuration (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

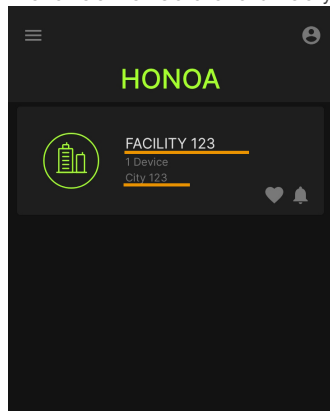
Contact	Phone	Country *	Unique identifier	Next maintenance date *
Contact 123	555 - 123	Country 123		22-12-2022

Comments

☐ Use installer code

Save **Back**

The name of the installation and the city will appear in the HONOA APP:



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

Facilities / Facility 123 / Equipments

Facility 123 Address 123 City 123

INFORMATION **EQUIPMENTS** GROUPS

i No content available for this list

+

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

Facilities / Installation 123 / Equipments / New Equipment

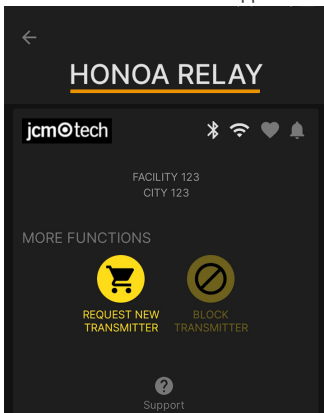
Create equipment

Name * Device * HONOARELAY

HONOARELAY

Save **Back**

The name of the device will appear in the HONOA APP:



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 RELAY

Name *
HONOA RELAY

Device *
HONOA RELAY

Parameters Relays Groups Events

Activation key	XXXX-XXXX-XXXX-XXXX
Data usage	High
Timezone	America/Chicago
HONOA Allow remote opening	Yes
HONOA Allow BlueTooth hands-free	Yes
Input 1 name	Open Gate
Input sensor 1 mode	[Door 1] Normally closed opening limit switch
Input 2 name	Close Gate
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 when the device is disconnected.

Reminder: the device need not be configured to operate properly.

On this screen, you may enable **Allow remote opening** and **Allow BlueTooth hands-free** for HONOA users. By default, these are enabled.

For remote opening, the device must be connected to the Internet.

Registering groups and users

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

HONOA RELAY

Name *

HONOA RELAY

Device *

HONOA RELAY

Parameters

Relays

Groups

Events

Name	Actions
------	---------

Save

Back

+

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

Create facility group

Name *

Group 1

Description

Description 1

Save

Back

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

Facilities / Installation 123 / Groups / Group 1 / Configuration

RelaysSchedules

Group 1

HONOA RELAY

OPENCLOSE

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: **Add user** to add HONOA users.

Facilities / Installation 123 / Groups / Group 1

Group 1

USERSINFORMATION

Available - Reserved 0 Used 0

	FOBS / ...	Email	Name	Surname	Phone	

There is no data available.

0Add user

Back

5. Complete the fields with the user information. **Accept.** The different users must provide the email used for their Honoa account.

Add user

Email

jmir@jcm-tech.com

Name

Jaume

Surname

Mir

Phone

555

Accept

Back

When a user is registered with cloudAssistant, they will automatically have access to the installation with the Honoa application.

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

Facilities / Installation 123 / Groups / Group 1

Group 1

USERS INFORMATION

Available - Reserved 0 Used 0

	FOBS / ...	Email	Name	Surname	Phone	
☐	☐	jmir@jcm-tech.com	Jaume	Mir	555	☐

1 - 1 of 1 items

Back

7. Equipments -> Save configuration.

Facilities / Installation 123 / Equipments

Installation 123

Address 123

City 123

Save configuration

INFORMATION EQUIPMENTS GROUPS

HONOA RELAY

☐ ☐ ☐ ☐



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

It is not necessary to press Save configuration to update HONOA user authorizations.

Configure relays and assign traffic schedules

On the equipment's "Relays" screen:

InformationParametersRelaysFobsGroupsEvents

Relay 1 OPEN	☒	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	☒	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

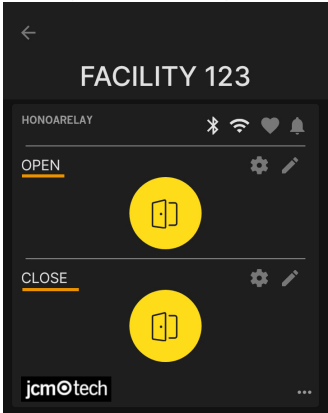
- **Relay X:** assign name to the relay
- **Selector:** enable/disable relay
- **Relay type X:** Normally open/ Normally closed
- **Relay activation time X:** set the time that the relay remains active for (it is 1 second by default)
- **Relay delay time X:** set the time that it takes for the relay to activate (it is 0 seconds 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 schedules, the relay operates normally
- **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 configuration.

The relay names are displayed in the HONOA APP:



Set group schedules

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

Facilities / Installation 123 / Groups / Group 1

Configure

Group 1

USERS

INFORMATION

Available -

Reserved 0

Used 0

	FOBS / ...	Email	Name	Surname	Phone	
		jmir@jcmt-tech.com	Jaume	Mir	555	

1 - 1 of 1 items

Back

Facilities / Installation 123 / Groups / Group 1 / Configuration

Relays

Schedules

HONOA RELAY

OPEN

USERS

CLOSE

USERS

Back

Group users can only activate the relay when within the assigned hours. If there is no assigned schedule, it can always be activated.

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



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

Administration: Honoa

HONOA users may view your contact information by clicking on the logo to the bottom left of the device in the HONOA APP. Contact information can be changed on the "Honoa" screen under "Administration".

Administration / Honoa

Web customizationInvitationsCompaniesUsersHolidaysHonoa

Customize device information for app HONOA

jcmotech

Logo *

E-mail *
jmir@jcm-tech.com

Phone *
555 - 555

City *
City 123

jcmotech

Collapsed logo

Web *
website.com

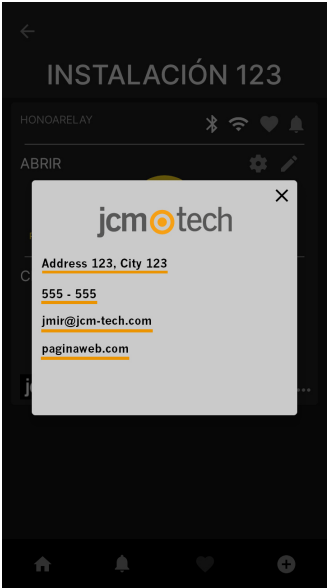
Address *
Address 123

Mobile preview

jcmotech

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

SaveBack



Events

HONOARELAY is a device with an event record. To see them, in **cloudAssistant**, go to the device's **"Events"** screen. When HONOARELAY does not have an Internet connection, the device keeps working, but without sending the events in real time. In this case, the events are stored locally on the device. 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 / Installation 123 / Equipments / HONOA RELAY / Events

HONOA RELAY

Name *

HONOA RELAY

Device *

HONOARELAY

Parameters

Relays

Groups

Events

Date	:	Event	:	User	:	Code	:	Group	:	Additional inf...	:
	Q		Q		Q		Q		Q		Q
There is no data available.											
0 - 0 of 0 items											

Load events

Remove events

Save

Back

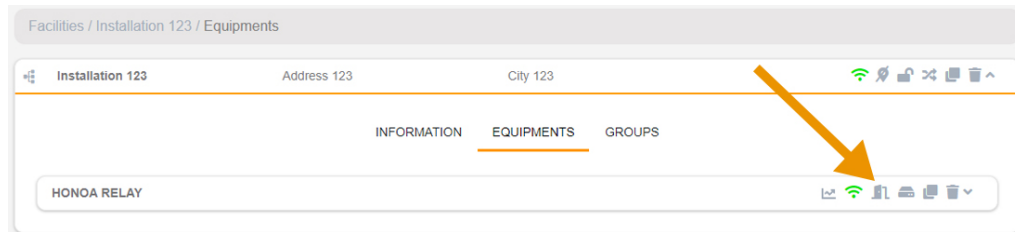
To reset the device's list of events, select **"Remove events"**.

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).



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.).

Remote state

Door status 1

Status Closed

Input status

Open door	✓
Close door	✓

Relays

OPEN activation time in sec 1 Activate relay 1

CLOSE activation time in sec 1 Activate relay 2

Device information

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

Refresh status

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				-

Technical data

Parameter	Value
Power Supply	12/24Vdc
Operating consumption	0,250A
Power in network standby mode	1,1W
Relay Contacts (R1 / R2)	2A Resistive load
Operating temperature	-20°C / +55°C
Size (L/W/H)	65 x 70 x 25mm
Network type	WIFI/BLE
Memory	5000 users

Requirements according to Ecodesign regulation

This equipment complies with the energy efficiency requirements established by the Ecodesign regulation.

The specific parameters are detailed below:

- **Network standby mode:** This device has a network standby mode that is automatically activated when the device is powered on or after receiving a signal.
- **Transition time to network standby mode:** 8 minutes.
- **Recommended power supply:** For devices operating at 12/24Vdc, a power supply with an output of **12Vdc or 24Vdc, 0.5A** should be used.

Regulatory Data

UKCA Declaration of conformity

The manufacturer **JCM TECHNOLOGIES, SAU** declares that the product **HONOARELAY** complies with the relevant fundamental requirements of the Radio Equipment Regulations 2017, of the RoHS Regulations 2012, and of Ecodesign for Energy-related Products Regulations 2010, the insofar as the product is used correctly.

EU Declaration of conformity

The manufacturer **JCM TECHNOLOGIES, SAU** declares that the product **HONOARELAY** complies with the relevant fundamental requirements of the RED Directive 2014/53/EU, the RoHS Directive 2011/65/EU, and of the Ecodesign Regulation 2023/826/EU, insofar as the product is used correctly.

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

JCM TECHNOLOGIES, SAU
C/ COSTA D'EN PARATGE, 6B
08500 VIC (BARCELONA)
SPAIN

