

installation manual






BASIC MINI


AxesKey Receptor



EN

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In compliance with the European low voltage directive, we report the following requisites:

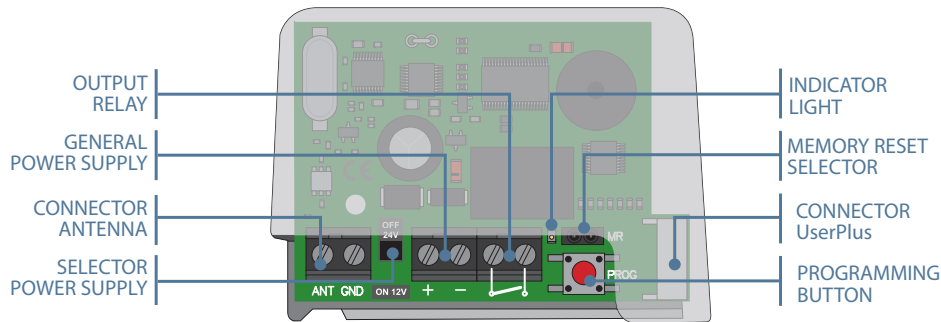
- Disconnect the power before handling the equipment.
- For permanently connected equipment you must include an easily accessible connection device to the wiring.
- This system must only be installed by qualified personnel with knowledge of the relevant European standards.
- The usage instruction of this equipment must always remain in the user's possession.
- The receptor's working frequency does not interfere in any way with the 868 MHz remote system control.



Introduction

General Description

Miniature receptor to manage a door with an AxesKey emitter.



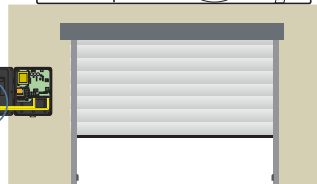
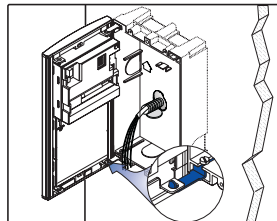
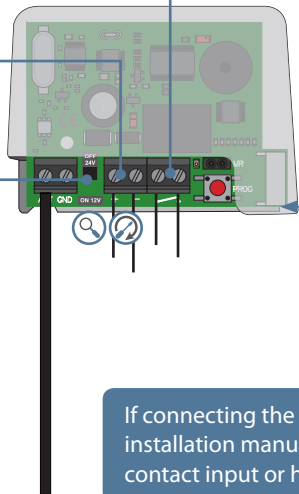
Its reduced size, its versatile power and its memory of 500 codes allow it to be applied both in industrial, community or residential installations.

Installation



Wiring

- RELAY OUTPUT (NA)**
Wire to the controlled device's contact input.
- POWER SUPPLY INPUT**
Wire the power source, respecting the polarity if a direct current (Vdc)
- POWER SELECTOR**
Set the switch depending on the power source (12V or 24V)



- Example of an installation on a FERMAX panel or a control panel.

If connecting the receptor to a control panel, check the installation manual to identify the power source and the contact input or how to start operations.

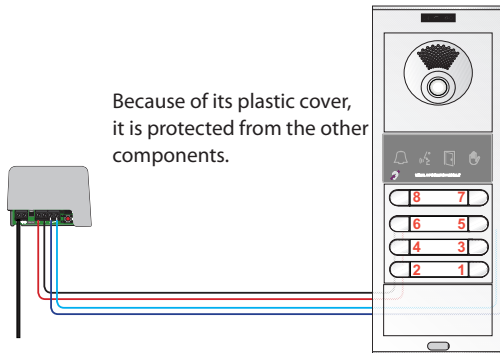


Installation



Fastening

The receptor is easily placed inside a street panel or near it.



- Example of a connection to the street panel

We recommend distancing the receptor from the power source or other devices with radio frequencies.



If using the supplied single-pole antenna, place it up to optimize reception.



Configuration



Options

Parameters

Relay outputs

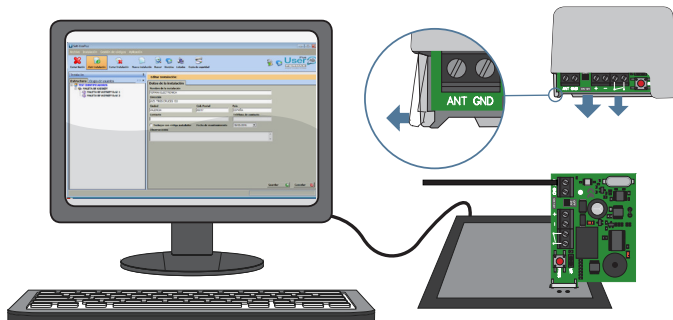
Group filter of the HF FREE system

Options

Push button=monostable (default) / Bistable

No (default) / 0 / 1 / 2 / 3 / 4 / 5 / 6 / 7

If you want to change the default options, install the Soft-UserPlus for Windows with the USERPLUS PROGRAMMING KIT REF. 5258



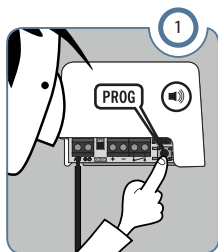
For more information visit: www.fermax.com.



Programming

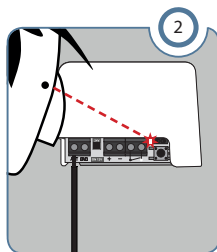
PROG

Manual programming of the emitter.



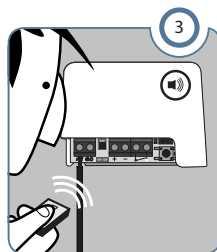
PROGRAMMING BUTTON

Upon pressing it, you will hear a beep for 1s.



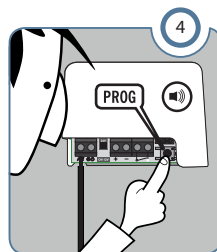
INDICATOR LIGHT

Lit while the programming mode is active.



EMITTER

Every time an emitter channel is programmed, the receptor will emit a 0.5s beep.



PROGRAMMING BUTTON

Re-press it to exit programming, you will hear a beep for 1s.

If the memory is full, the receptor will emit 7 beeps 0.5s long and exit programming.

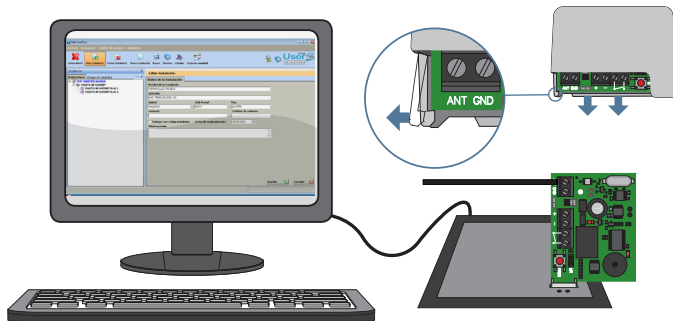
If 10 seconds pass without exiting programming, the receptor will exit programming mode, emitting two 1s beeps.

Programming

PROG

Programming various emitters (optional)

If you want to program various emitters at a time, you must install the SoftUserPlus for Windows program with ref. 5258 USERPLUS PROGRAMMING KIT



For more information visit: www.fermax.com.

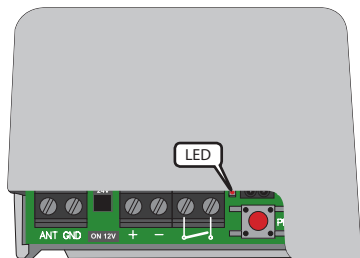


Verification



LED indicators

Start	
Number of flashes	HF FREE group information Hands Free
0	Inactive / Group 0
1	Group 1
2	Group 2
3	Group 3
4	Group 4
5	Group 5
6	Group 6
7	Group 7



The flashes are short (0.5 sec). Afterwards the indicator turns on again for 5 more seconds and turns off, indicating that the start has finished.

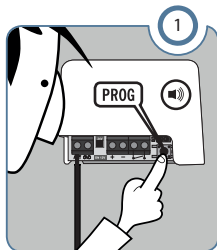
While the receptor is in standby the indicator emits a short flash every 5 seconds.



Maintenance

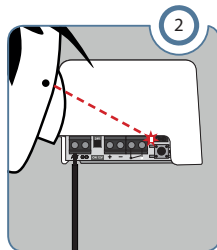
Manual management of the memory

Eliminating an emitter



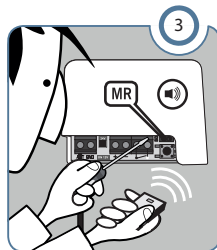
PROGRAMMING BUTTON

Upon pressing it, a beep sounds for 1s.



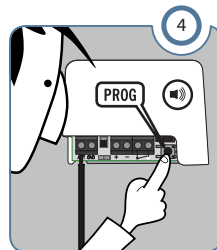
INDICATOR LIGHT

Lit while the programming mode is active.



MR SELECTOR + EMITTER BUTTON

While maintaining the MR selector pressed, press the emitter channel you want to delete; the receptor will emit a beep of 0.5s.



PROGRAMMING PROGRAMMING

Re-press it to exit programming and a you will hear a beep for 1s.

The manual deletion of an emitter is similar to programming it. Check that the final behaviour is desired.

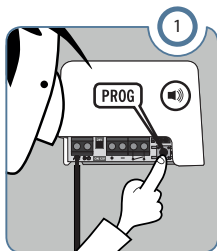




Maintenance

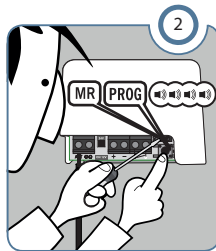
Manual management of the memory

Deleting the complete memory



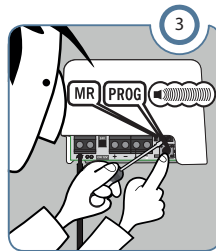
PROGRAMMING BUTTON

Long press.



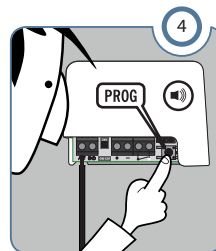
RESET MEMORY SELECTOR

Without releasing the button, press the MR selector. A series of beeps are sounded.



END OF DELETION

Maintain it pressed and press until you hear a long beep at the end of the deletion.



PROGRAMMING BUTTON

Re-press it to exit programming, you will hear a beep for 1s.

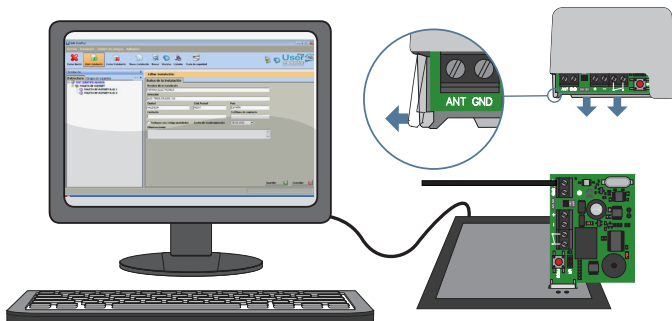
If after 10 seconds nothing has happened, the receptor exits programming mode, emitting a sound for 1s.





Management of memory with SoftUserPlus (optional)

If you want to manage the registration, substitution or unregistration of new emitters, you must install the SoftUserPlus program for Windows with the Kit ref. 5258, USERPLUS PROGRAMMING KIT



For more information visit: www.fermax.com.



Problem solving

Frequently asked questions

P: How many codes can be memorized within the memory of the BASIC-MINI receptor ref. 5291?

R: 500 Codes. The device has an internal memory of 500 and can not be expanded or reduced.

P: How do you know if the receptor is powered?

R: When the indicator light blinks every 5 seconds.

P: I can't find the memory card to connect to the tool UserPlus programming tool ref. 5258. Can you manage it with Soft-UserPlus? How are codes recorded?

R: Yes you can manage it. The codes are recorded by connecting the electronic panel to the UserPlus tool via the white connector.

P: Can you block the device so that nobody can delete and/or program more controllers?

R: Yes, by recording the memory with SoftUserPlus, first by pressing the "Prohibit programming via radio" and "Prohibit manual programming" on the Application/Configuration.

P: How can you tell that the device is blocked?

R: When you press the PROG button and the receptor does not beep for entering in programming mode.

P: How many relay outputs does this receptor have?

R: It has one relay output.

P: Can you connect proximity readers to this receptor?

R: No, it only works via radio.

P: Can you manage the HF Free system groups on this receptor?

R: Yes, you must configure the group manually or via the SoftUserPlus on the Structure / Configuration tab.

Technical data

Electrical parameters

Power Supply	12/24Vdc/ac
Standby / Operating Consumption	<50 mA / 100 mA
Maximum absorbed power	5W
Relay power	3A
Memory capacity	500 Codes

Physical parameters

Operating Temperature	-20 °C ... +55 °C
Dimensions	60 x 44 x 18

Radio frequency parameters

Frequency	Axes 868.35 MHz
Encoding	Changing code
Radiated power	< 25mW

System usage

This device is designed for application with a walk-in garage door. It is not guaranteed for the direct activation of other devices out of specifications.

The manufacturer reserves the right to change the device's specification without prior notice.

EC declaration of conformity

Via this text, FERMAX ELECTRÓNICA, S.A.U. declares that ref. 5291 BASIC-MINI, complies with the essential requirements of Directive RED 2014/53/UE and Directive RoHS 2011/65/UE. FERMAX Avd. Tres Cruces, 133, 46017 Valencia, Spain.

Visit www.fermax.com

<http://docweb2.fermax.com/docs/deconformidad/EN/F05291.pdf>

