

# XALDIGITAL



WEB SERVER PARAMETERS OF FEBO DEVICE SETTING MANUAL

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## | OBJECTIVE

The purpose of this manual is to properly configure the operating parameters for FEBO devices within your web server. Aiming to set the necessary parameters for the correct operation as well as for the RPM meter and for the SERIE Rs232 monitor, which help us to acquire the data from the production lines to view them in real time.

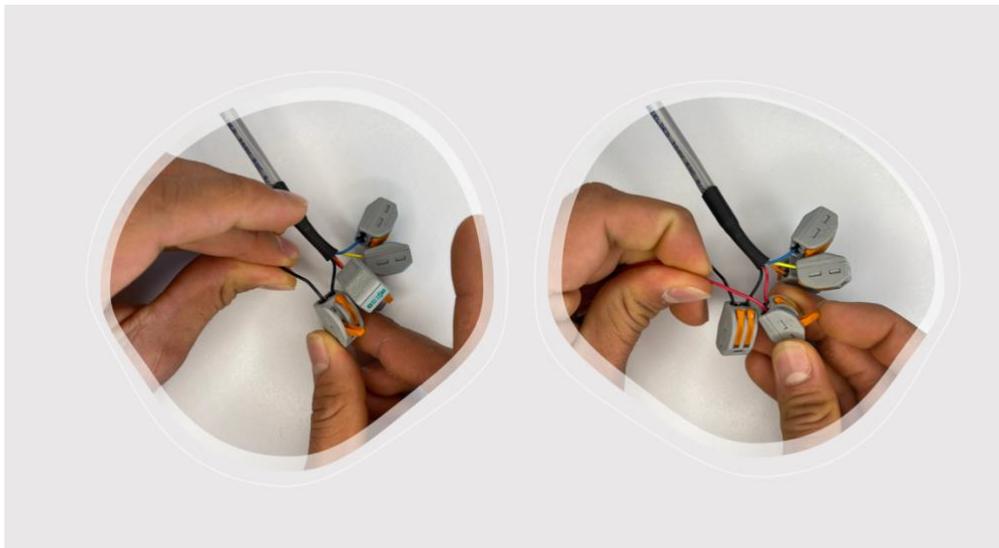
# | 1. SETTING PARAMETERS FOR THE FEBO RPM DEVICE

Verify that the device Works

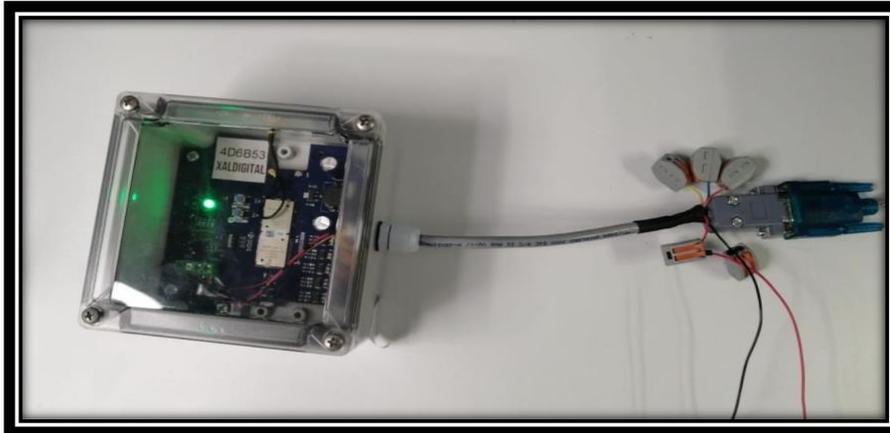
2.1 Connect the 2 cable connectors to supply energy. The FEBO device must be connected to an average 24v direct current power supply on the cables:

- Red: positive
- Black: 0Vcc

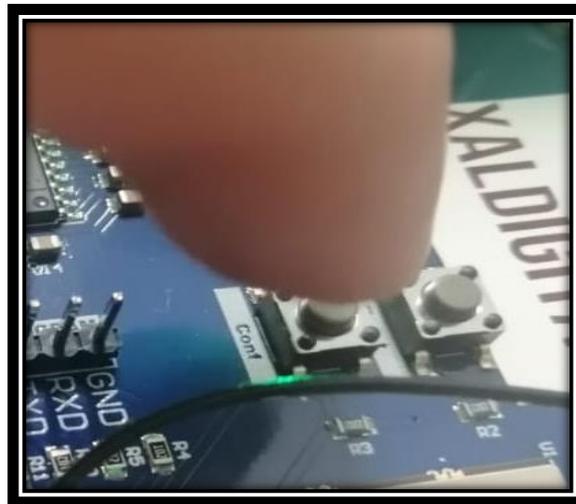
To achieve this, the caps (oranges) of the power connectors must be lifted: red (positive) and black (negative)



Once this step is complete, it will take approximately 15 seconds for the device to perform its power-on process. When the green LED is on, it means you are ready to ship.



2.2 After turning on the device and the indicator LED is set to green steady we will press the button with the description "Conf" for 3 seconds and stop pressing, then the green indicator LED will change to steady blue.

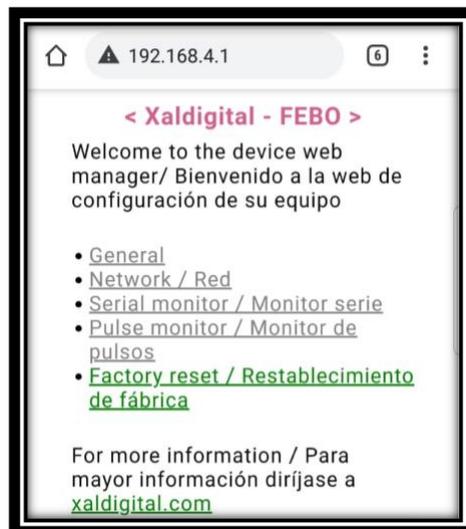


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2.3 When the indicator LED of the FEBO device is blue steady, it will appear a Wifi network named "Febo-wifi" which we must access from a mobile device. To connect via wifi to the FEBO device you will need the following password (Febo3579!).



2.4 After having established the connection with the Febo device, with the help of the browser we will access the following IP "192.168.4.1", if the access was successful we get the following window.



To set the device as Febo RPM you have to click on the section (General).

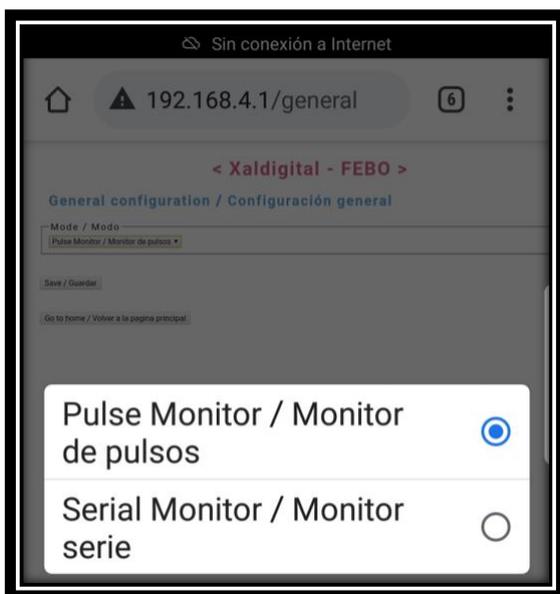


2.5 Once the general sidebar is selected, the following window will appear and the mode section will be selected. Una vez seleccionado el apartado de general aparecerá la siguiente ventana, en la cual se seleccionará el apartado modo.

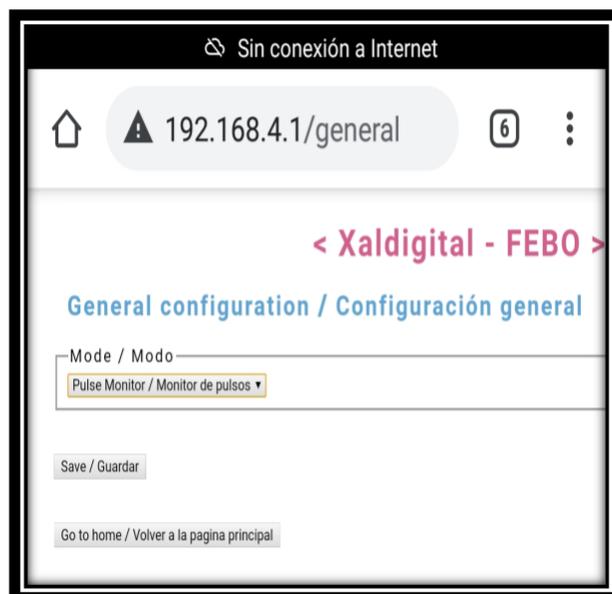


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2.6 Then it will appear the window where you select in which mode the Febo device will be used, in this case it will be configured as Febo RPM, once selected we will verify that the selected mode is correct.



SELECCIÓN DE MODO.



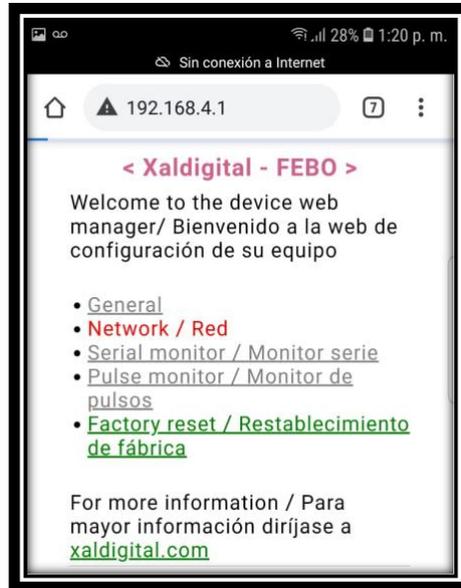
VERIFICACIÓN DE MODO.

2.7 After verified that the selected mode is correct we will click on the save set. Then we click on return to home page.



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2.8 after returning to the main page we will click on the "Network" section.



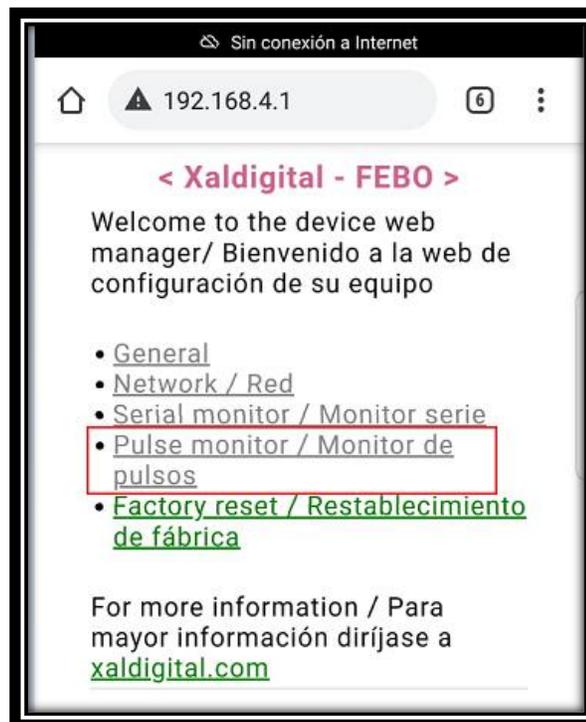
2.9 Once within the sale "Network Settings" we will click on the network section and defined "SigFox" after that in the area section we will select the area that corresponds to the place where the device will be installed, once defined the fields we will click on "save" and then click on the section "return to the main menu".

Note: to consult the corresponding area visit the following link.

<https://build.sigfox.com/sigfox-radio-configurations-rc>

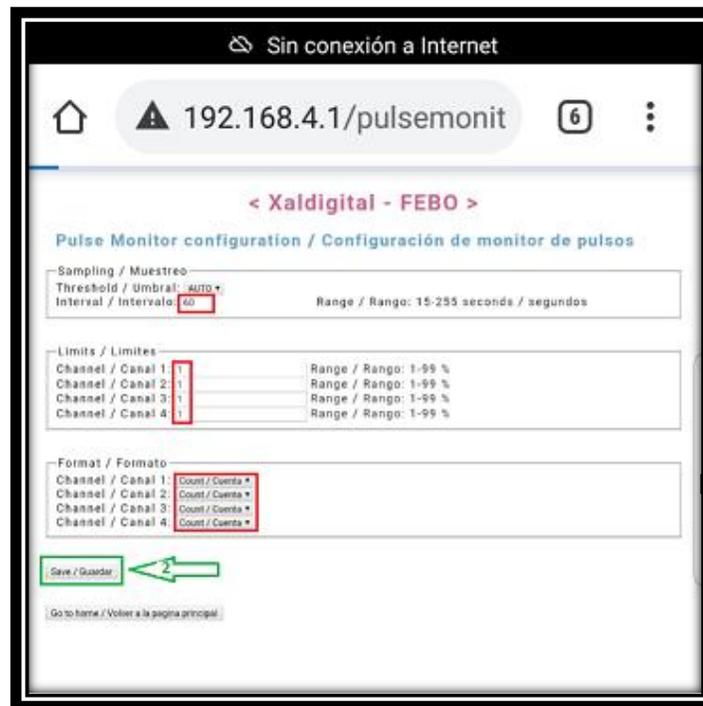


2.10 after returning to the main page we will click on the "Pulse monitor" section.



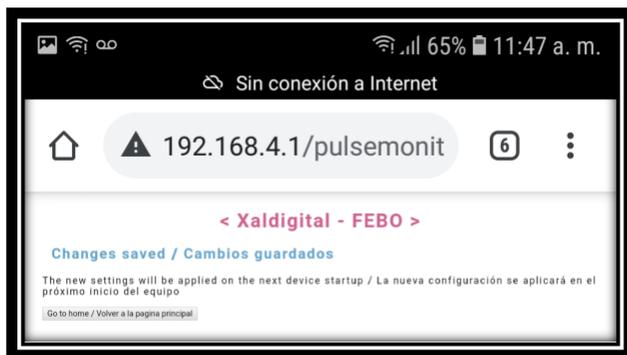
2.11 Afterwards we will see the following window" in which we will set the parameters that are locked in a red box and finally click on the saved section.

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Password

2.12 return to the main menu, once on the main page we will press the "reset" button as shown in the following image.



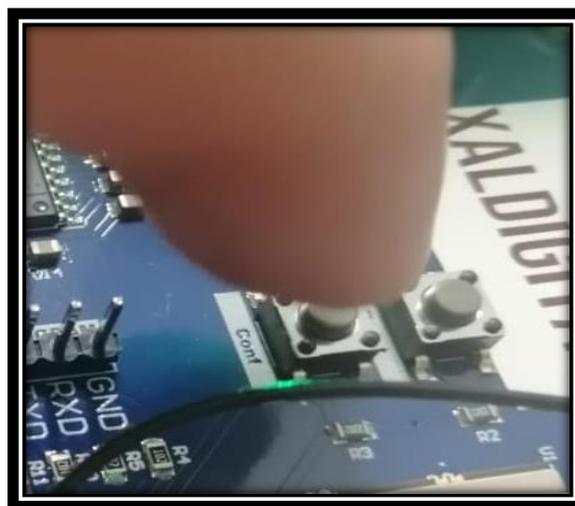
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NOTE: After pressing the "reset" button it will take about 5 seconds for the LED that was in steady blue to change back to steady green, this tells us that the device is ready to be used with the settings defined above.

## 2. SETTING PARAMETERS FOR THE FEBO RS232 DEVICE

3.0 After turning on the device and the indicator LED is set to steady green we will press the button with the description "Conf" for 3 seconds and stop pressing, then the green indicator LED will change to steady blue.



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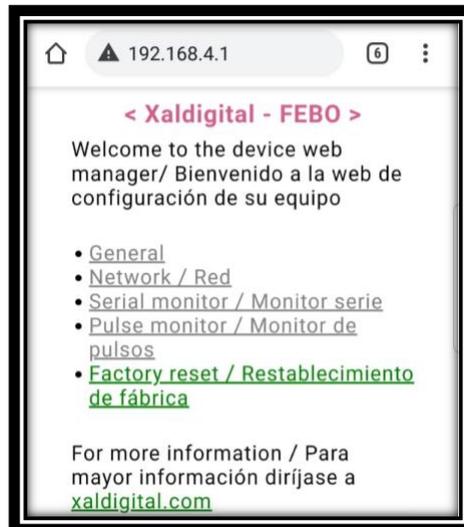


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2.13 When the indicator LED of the FEBO device is blue steady, it will appear a Wifi network named "Febo-wifi" which we must access from a mobile device. To connect via wifi to the FEBO device you will need the following password (Febo3579!).



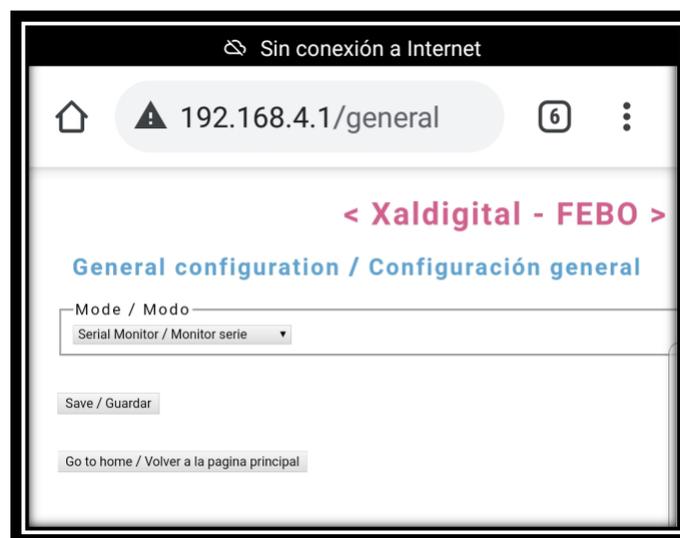
2.14 After having established the connection with the Febo device, with the help of the browser we will access the following IP "192.168.4.1", if the access was successful, we get the following window.



4 To set the device as Febo RPM you must click on the section (General).

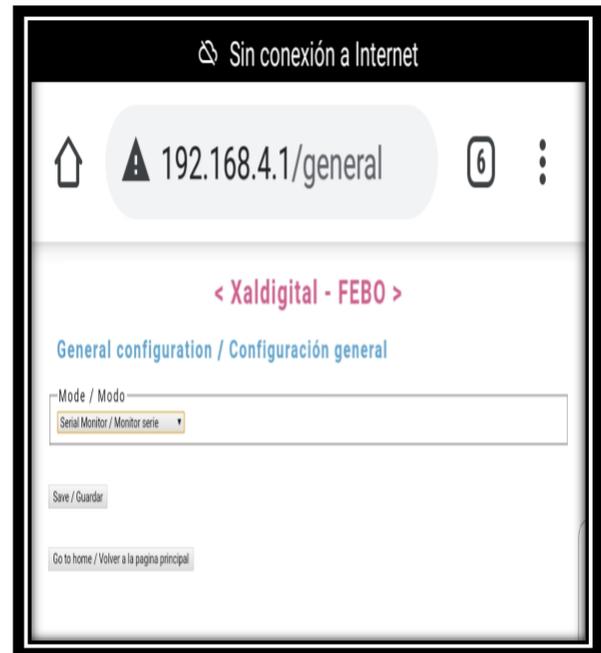
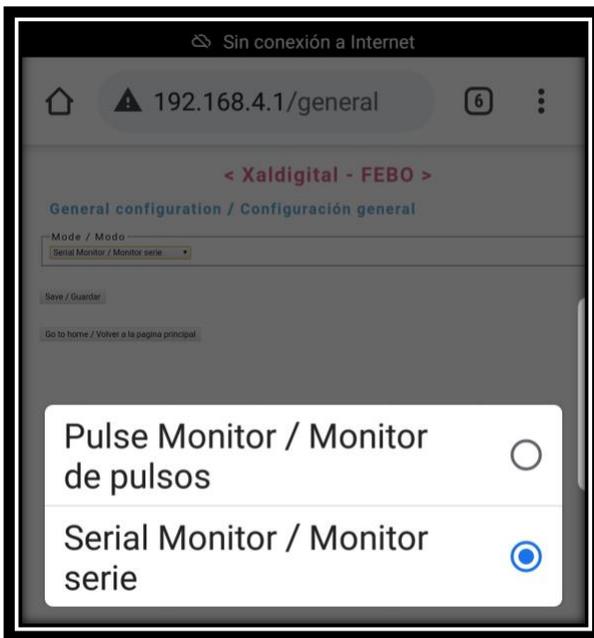


4.1 Once the general sidebar is selected, the following window will appear and the mode section will be selected

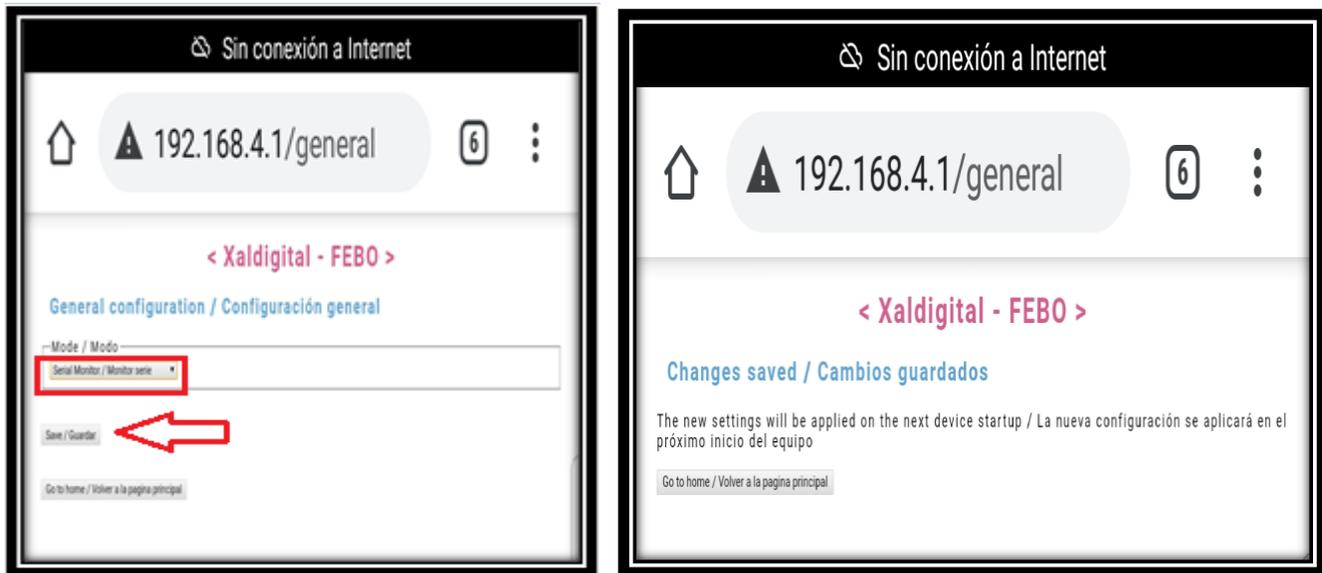


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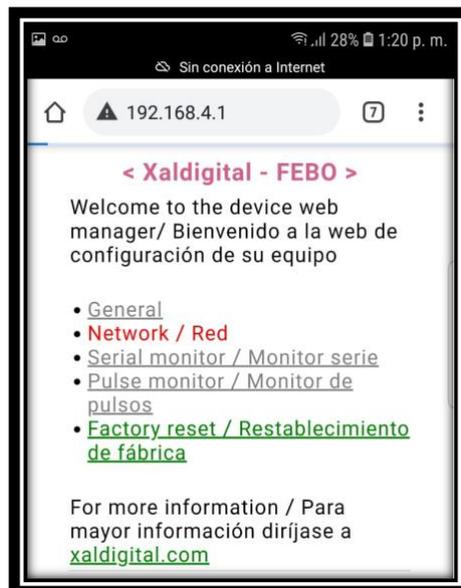
4.2 Then it will appear the window where you select in which mode the Febo device will be used, in this case it will be configured as Febo RPM, once selected we will verify that the selected mode is correct.



4.3 After verified that the selected mode is correct we will click on the save set. Then we click on return to home page.



4.4 after returning to the main page we will click on the "Network" section.



4.5 Once within the sale "Network Settings" we will click on the network section and defined "SigFox" after that in the area section we will select the area that corresponds to the place where the device will be installed, once defined the fields we will click on "save" and then click on the section "return to the main menu".

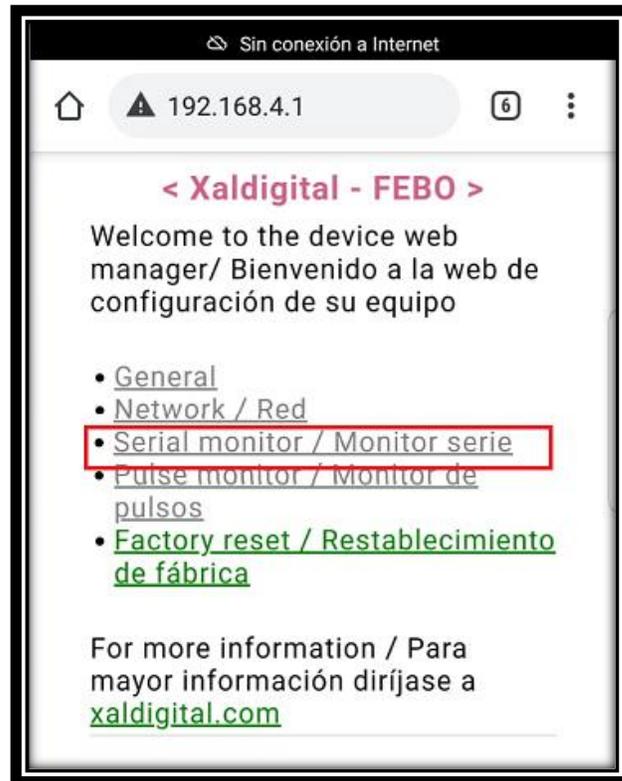
Note: to consult the corresponding area visit the following link.

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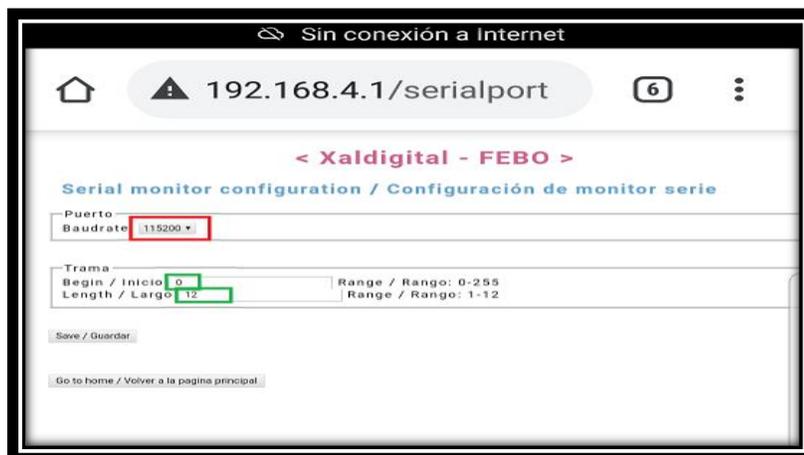
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4.6 after returning to the main page, we will click on the "Pulse monitor" section.



4.7 Then we will see the next window in which we must select the transfer rate (baudrate) that we want to use, which is enclosed in red, in the frame section enclosed in green, we will define in the part of (start) in which position you want to start with the acquisition of the transmitted characters and in the (long) section we will define how many characters we want to transmit from those we are receiving through the serial port, it should be mentioned that the maximum number of characters allowed is 12.



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4.8 After saving changes, press the back section to the main menu, once on the main page press the "reset" button as shown in the following image.



NOTE: After pressing the "reset" button it will take about 5 seconds for the LED that was in fixed blue to change back to fixed green, this tells us that the device is ready to be used with the settings defined above.



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