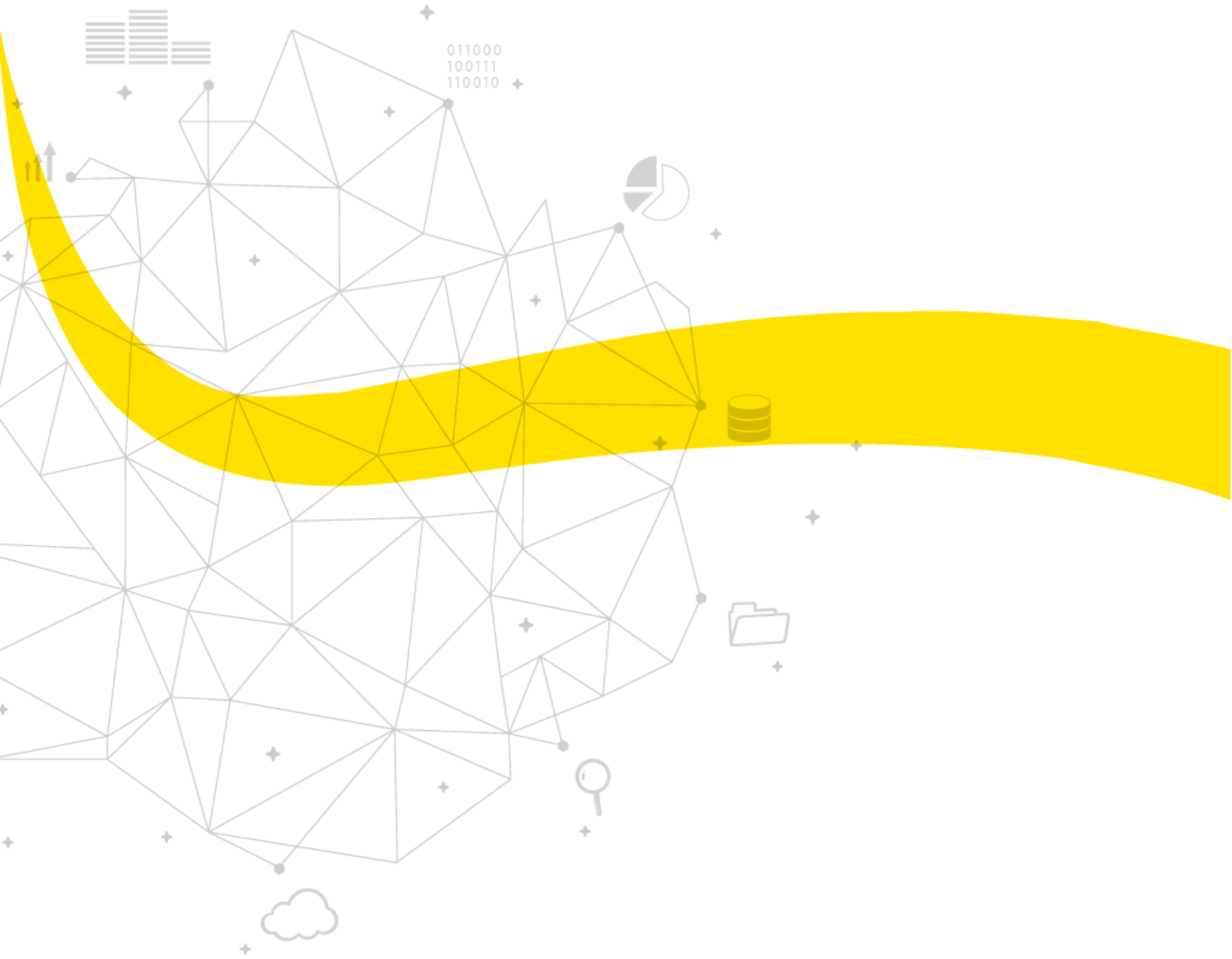
XALDIGITAL

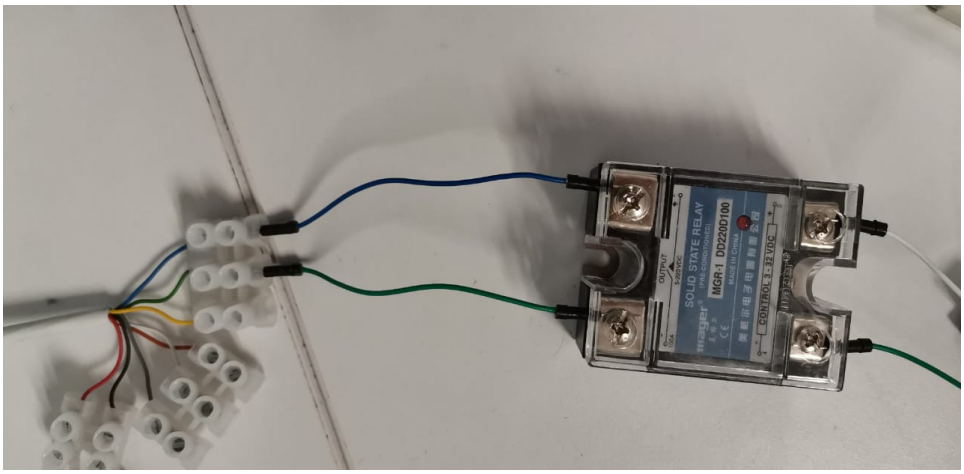


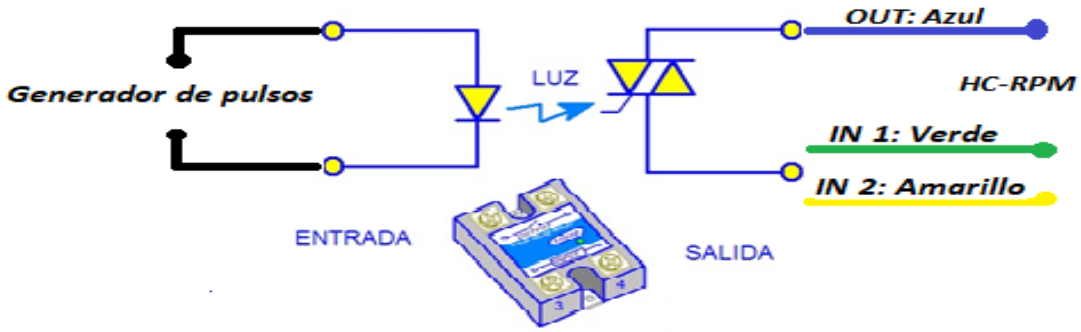

# PROCEDURE FOR CHECKING THE HC-RPM DEVICE

08/27/2020

To perform the proper configuration for HC device verification it is necessary to have a pulse generation tool and a solid-state relay, the connections that must be made in each of the inputs of the device are as follows:

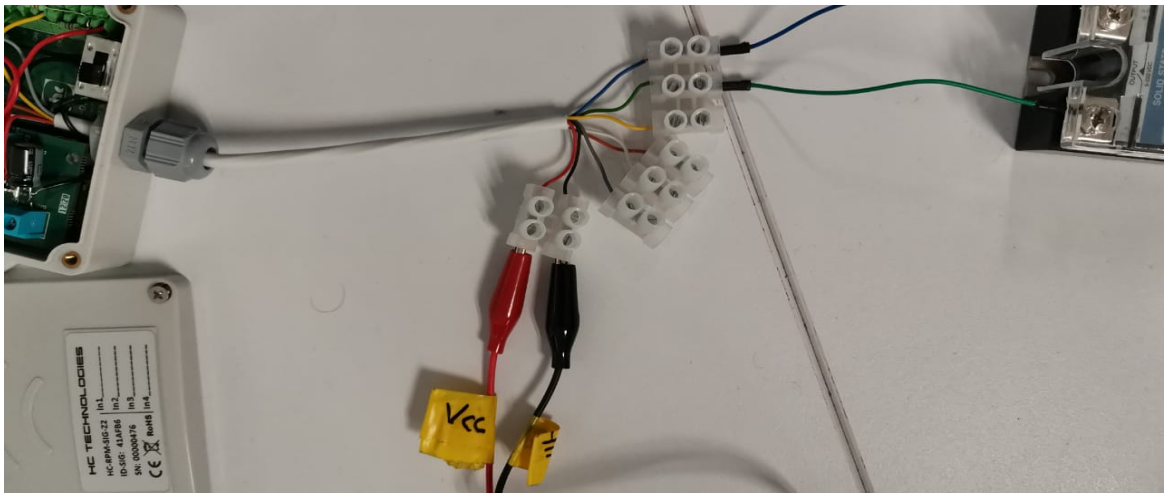
1. The HC-RPM device has 2 inputs to perform the pulse count, Input number 1 is located on the quick connectors with the Green color cable and the entry number 2 is similarly located on the connectors with a Yellow cable each of these inputs must be individually connected to the normally open (N/O) output of a solid state relay, and also has a localized output with the color Blue, which works as power or "common" for the 2 inputs mentioned above. This output is called "common" why it should connect to the common solid-state relay input as shown in the following example image.



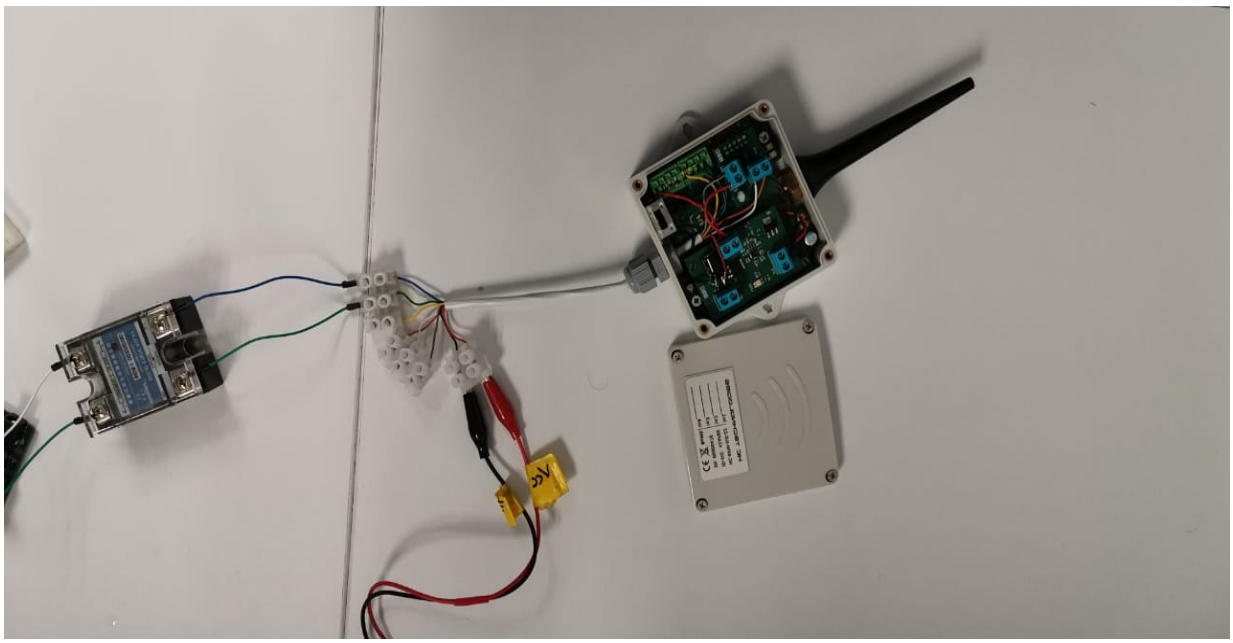




Outline of the connection made in the previous example.

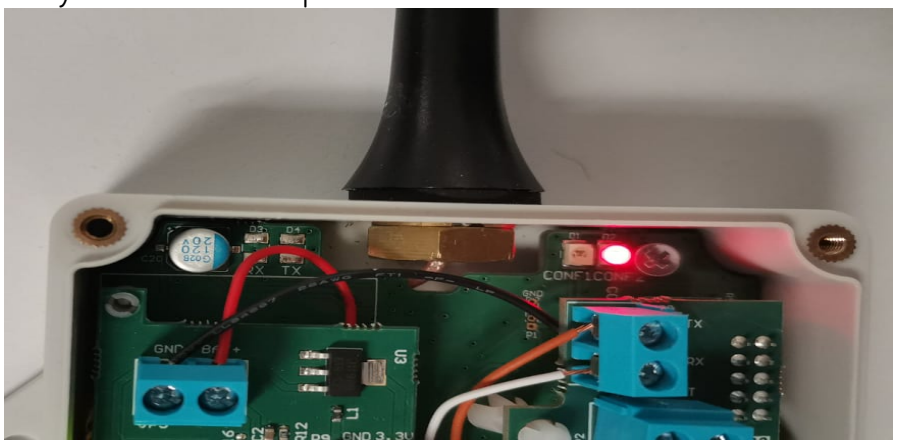
2. The HC device must then be connected to a power supply with an average voltage of 24 DC in the inputs that can be found on the quick connectors with Red (+, VCC) and Black (-, GND) cables, as shown in the following image.



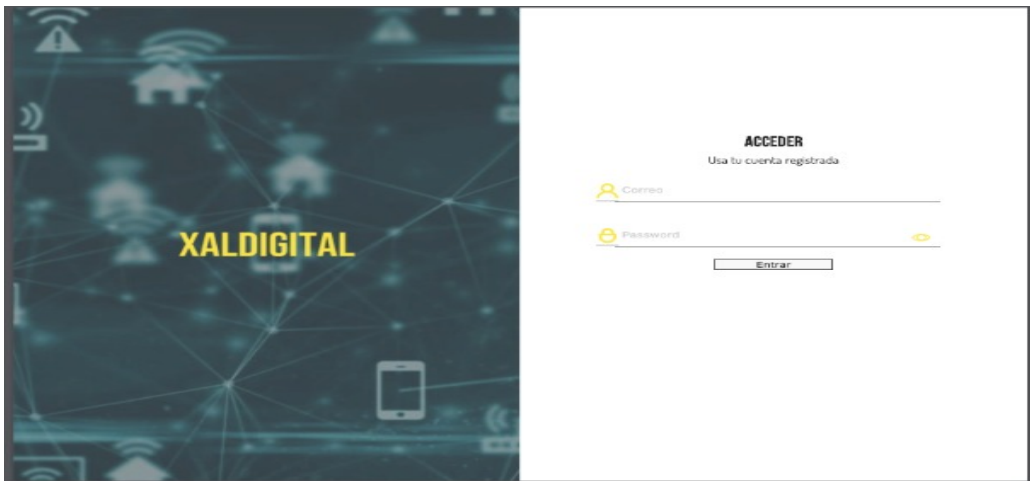

3. Finally we should have a connection similar to the one shown in the example in the image below to conclude we will turn on the HC-RPM device by activating thes witch that is located at the bottom of the device.



4. After activating the switch we will see a red LED that lights up on top of the HC-RPM device that indicates that the device is trying to connect to the IoTplatform, once the LED is no longer active tells us that the device is ready to count and send pulses.



5. Several pulses must be sent to thedevice, these will be counted per minute through the HC-RPM and subsequently sent,, to verify that the count was successful we must see them reflected on the IoTplatform, which is available at the following Web address: **http://172.29.45.69:9093/index.html#/login,** can be displayed as follows:

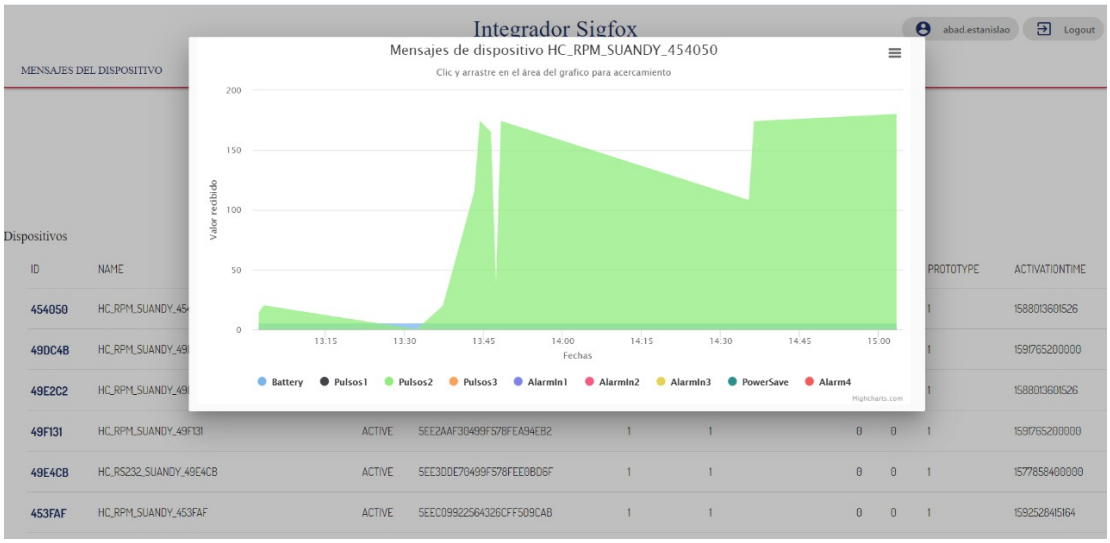



***NOTE:*** To access the platform you will see to ask the XALDIGITAL support team for an account with your email address to access the platform and to view the pulse count of the HC-RPM device.

6. After becoming in with your account you will be able to see a screen where you will have to select the ID of the HC device you want to monitor, as well as seen in the following image.


| ID | NAME | STATE | DEVICETYPEID | ACTIVABLE | AUTOMATICRENEWAL | LAT | LNG | PROTOTYPE | ACTIVATIONTIME |
|---|---|---|---|---|---|---|---|---|---|
| 454050 | HC_RPM_SUANDY_454050 | ACTIVE | 5EE2AAF30499F578FEA94EB2 | 1 | 1 | 0 | 0 | 1 | 1588013601526 |
| 49DC4B | HC_RPM_SUANDY_49DC4B | ACTIVE | 5EE2AAF30499F578FEA94EB2 | 1 | 1 | 0 | 0 | 1 | 1591765200000 |
| 49E2C2 | HC_RPM_SUANDY_49E2C2 | ACTIVE | 5EE2AAF30499F578FEA94EB2 | 1 | 1 | 0 | 0 | 1 | 1588013601526 |
| 49F131 | HC_RPM_SUANDY_49F131 | ACTIVE | 5EE2AAF30499F578FEA94EB2 | 1 | 1 | 0 | 0 | 1 | 1591765200000 |
| 49E4CB | HC_RS232_SUANDY_49E4CB | ACTIVE | 5EE3DDE70499F578FEE0BD6F | 1 | 1 | 0 | 0 | 1 | 1577858400000 |
| 453FAF | HC_RPM_SUANDY_453FAF | ACTIVE | 5EEC09922564326CFF509CAB | 1 | 1 | 0 | 0 | 1 | 1592528415164 |

7. You can then view the pulses sent from the device you selected and you can view them as follows.




The HC-RPM device will only perform it sent each time the pulse count increases or decreases the current count per minute, i.e. if the frequency with which pulses are sent for each minute is not changed the HC does not perform any shipments will be retained at the current count.

8. At the end of the display of the current device state we will be able to exit the web page shown above by simply clicking on the option that is identified by the name of"Logout".".