ecoFOREST

INFORMATIVE NOTE

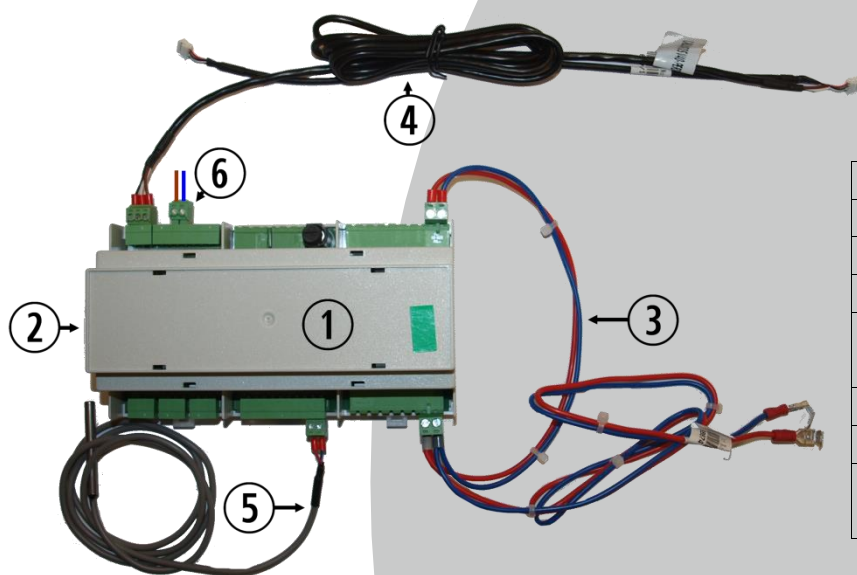|	
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Note n°:	016 info
Number of pages:	02

Instruction for mounting the CPU2016 periphery.

The steps to follow to assemble the peripheries in boiler models that do not have them are detailed below. To do this we must take into account that:

- We must **update the operating parameters** of the CPU so that it recognizes the periphery.
- Read these instructions carefully.
- Have all the material supplied by Ecoforest.
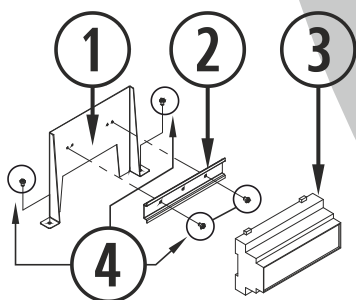- Tools for assembly.
  The kit code is 68801/1 the kit is composed of (in this photo the support and Torx screws have been omitted):

①	Periphery.
②	DIN rail. (Not displayed)
③	Power cord.
④	Keyboard 'Y' cable[1].
⑤	NTC return (switch from CPU to periphery).
⑥	PWM counter connection[2].
[1] Replaces the one with the boiler.	
[2] It is the cable that comes out of the pump and is disconnected.	

Steps to follow.

- Unplug the boiler.
- Enable a space to access from the right side and rear for the HIDRO models and the left side and rear for the Cantina Compact.
- Assemble the periphery, DIN rail and support, as indicated in the attached image.

①	Periphery support.
②	DIN rail. .
③	Periphery.
④	Torx screws

- Assemble and secure the assembly on the boiler floor.

After assembling the mechanical part we will proceed to the wiring.

The 'Y' cable must be replaced with the one that the stove already has, discarding the original one one since it would be of no use for this machine. This cable is connected at 3 different points.
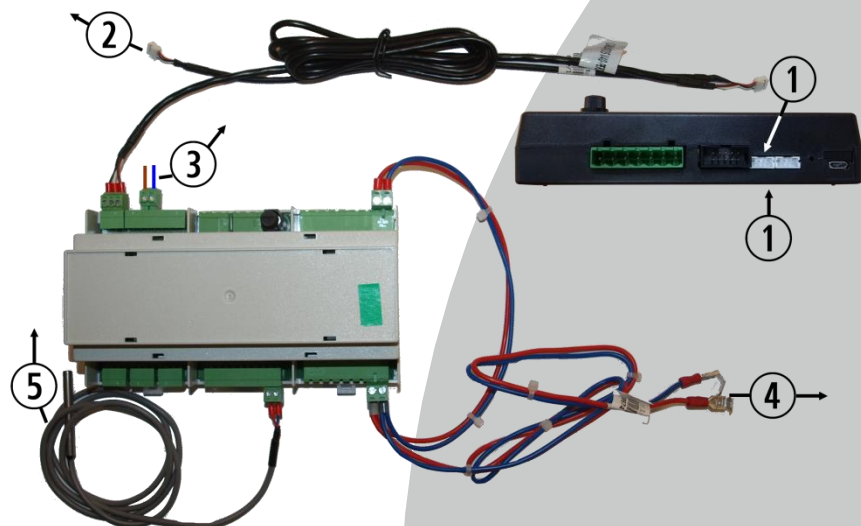The first point ① is the one that goes from the CPU to the keyboard and periphery.
The connection of the keyboard ② must be carried out with extreme care given the fragility of the connector.

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The connection of the pump speed control ③ must be carried out respecting the colors indicated in the photograph, that is, brown on the left and blue on the right. The electrical supply ④ must be respected in all 3 points since it is the same that powers the internal relays of the periphery, the power connections of the periphery must remain with those in the image.
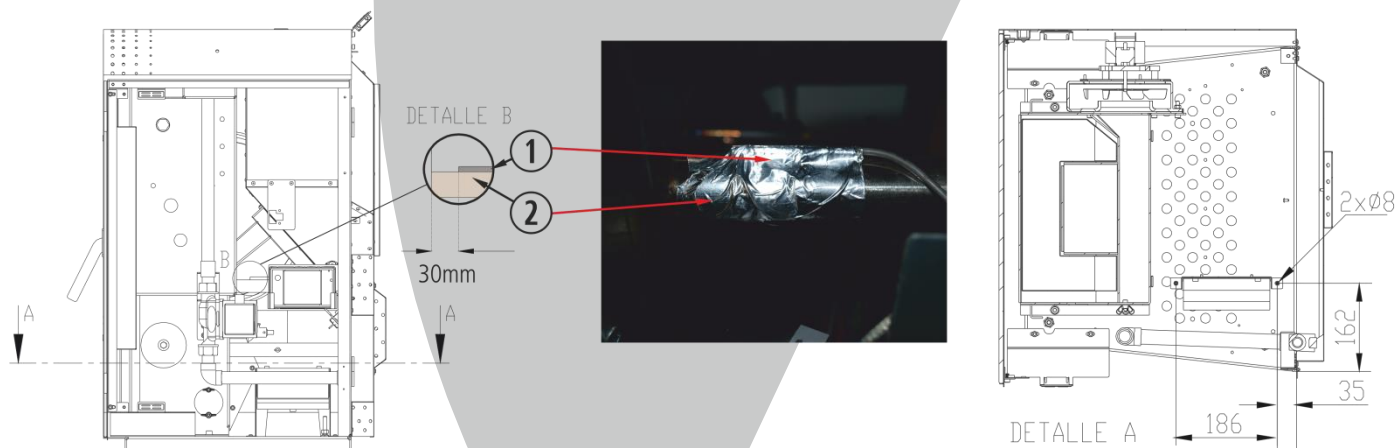
The return temperature probe ⑤ must be disconnected from the CPU and located on the periphery as indicated in the image and on the boiler, respecting the dimensions indicated in the following figure and image.

If your CPU does not have a return probe (consult previously) you must request one.

①	Connect to the CPU.
②	Connect to display
③	Connect to pump control cable[1].
④	Connect to current filter[2].
⑤	Attach to heating return pipe[3].
[1] It is flanged on the boiler floor.	
[2] Respect pase and neutral. Very important!	
[3] Secure with aluminum tape.	

Measurements and example of location of the NTC for **HIDRO** models, being ① the NTC sealed with aluminum tape and ② the heating return pipe.

Measurements and example of location of the NTC for the Cantina Compact model. The NTC will be set the same as in the HIDRO.