Safety Warning

⚡ Take off electric supply before acting on any electric devices.

Keeping this instructions inside boiler documentation is advised.

Installation

Replacing and connection

⚡ **Be sure that electric supply has been switched OFF!**

▶ Open the electrical box to get access to the main PCB, following instructions on User Manual;

▶ Take off every wire and unscrew the fixing screws;

▶ Take off old PCB and insert new one on the same spot, re-connnecting both wires and connectors as before and as written on User Manual,
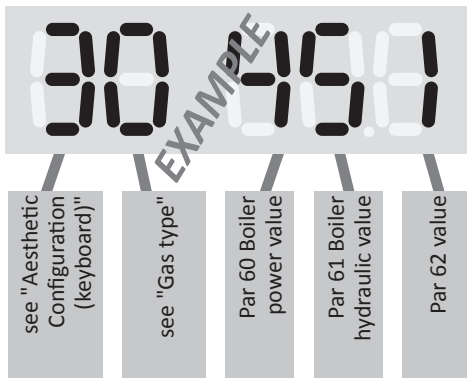
⚡ **Close plastic panel correctly in order to not lose IP protection!**

Configuration Code

Taking off metal cover, close to the buttons, you can read a *"Configuration Code"*.

ⓘ **This code is important in order to know how to set any eventual PCB replaced on this boiler and later checking if configuration has been correct or not.**

Remark: Current Code Configuration is showed immediately after electric power ON, in order to be checked easily.

| see "Aesthetic Configuration (keyboard)" | see "Gas type" | Par 60 Boiler power value | Par 61 Boiler hydraulic value | Par 62 value |

Activation and configuration
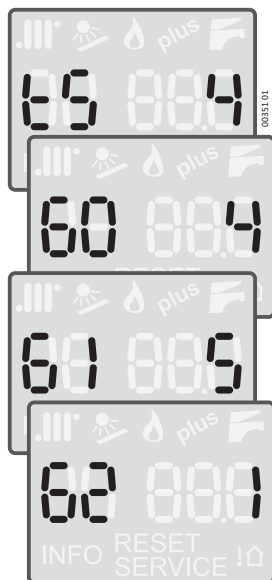
Aesthetic Configuration (keyboard)

This PCB has to be set for boiler where it is mounted on.

▶ Switch ON boiler

▶ Display shows **"ConF.E"** (which means Configuration Aesthetic)

• **If "ConF.E" is not showed**, see "Total reset" and make it.

▶ Keep on pressing both buttons ⏻ and +.||| for 8 sec

• This operation gives to PCB right information about boiler type.

After Aesthetic Configuration, boiler shows other 2 parameter to be set: Par 60, 61 and 62.

Parameters 60, 61 and 62 configuration

Par. 60 - On display, on the left, the parameter ID is shown (alternatively as "tS" and "60"). On the right there is the value of parameter. Using buttons +🚿 and –🚿 , put this **value** equal to THIRD digit on Configuration Code (sticker on Plastic Panel) and press RESET for confirming and storing value.

Par. 61 - On display, on the left, the parameter ID is shown (alternatively as "tS" and "61"). On the right there is the value of parameter. Using buttons +🚿 and –🚿 , put this value equal to FOURTH digit on Configuration Code (sticker on Plastic Panel) and press RESET for confirming and storing value.

Par. 62 - Set it in the same way as previous ones, putting this value equal to FIFTH digit on Configuration Code (sticker on Plastic Panel) and press RESET for confirming and storing value.

End of configuration

This configuration is now stored on PCB.

No more configuration is required until next PCB change or after making "Total Reset" of it (see "Total reset").

Switching on boiler

Gas type

▶ When boiler is turned ON, display shows **E 25** - Automatic Boiler Calibration needed

• **Last check to be done** is type of Gas used: it is handled by the value of **Parameter 01:**.

  ◦ **0 = G20** (factory setting);

  ◦ **1 = G31/LPG**

  ◦ *2 = Don't use this value as it's for G230 and it's **not allowed outside Italy**.*

▶ Before igniting the burner, modify this parameter according to Gas used.

If value of Parameter 1 = 1 (G31/LPG), *Configuration Code* stricker on control panel when taking off metal cover will be different, in terms of 2 digit, from what is showed on boiler switching ON.

Other parameters

▶ If eventual particular plant applications required changing other parameters; they have to be re-set again in new PCB mounted (i.e. *Max Heating Outlet Power, Modulating Pump*...)

▶ For any doubt, please check and read relevant paragraph explaining Boiler Parameters.

Combustion

▶ Set Parameter **49** to **5** and launch *Automatic Calibration* as described in User Manual.

Total reset

This procedure allows Technician to force PCB to "factory Settings" in order to start again "Activation and configuration":

▶ Boiler status ⟦OFF⟧ ;

▶ keep pressing for 15 sec these 3 buttons

• **Aesthetic with 8 buttons:**
  ⏻ **INFO** and **PLUS**

• **Aesthetic with 6 buttons** (without buttons **INFO** - **PLUS**) or with knobs:
  ⏻ –.||| and –🚿

▶ Symbol "–" will be showed sliding on display. Pressing RESET , **Total reset** is confirmed and starts;

Once Total reset starts, display is OFF and it restarts automatically again showing **"Co nF.E"**.

At this point, Technician can re-set boiler following procedure explained in this instructions sheet, starting from "Aesthetic Configuration (keyboard)".