

## How to use the electronic board

### User's instruction

The electronic board allows the control of the temperature and the control of the ironing cycle.

### Off mode

While in this mode, the electronic system is not active. The main switch external to the main board, allows the switching on & off of the system. By operating this switch, the system will switch on standby.

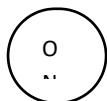
### Standby mode

In this mode, the electronic board is active, but all its functions are enabled. The display is off. The keyboards are enabled, with exception of the ON/OFF key. Pushing this key will bring the system on idle-on mode.

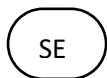
### Idle-on mode

When moving to the idle-on mode, all data referring to set temperature ( $T^{\circ}\text{set}$ ) and timer are being uploaded. Immediately the HEATING is being activated (if  $T^{\circ}\text{real} < T^{\circ}\text{set}$ ) so to set the real temperature of the ironing surface equal to the programmed temperature. The DISPLAY will show the real temperature of the ironing surface.

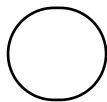
From this very moment, disregard of the temperature of the surface, the system is ready to use and all keys are active.



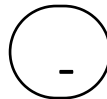
: brings the system back to the STAND-BY mode



: shows on DISPLAY, in a sequential mode, all parameters of the system.



: increases the value shown on DISPLAY (TIMER or  $T^{\circ}\text{set}$ ) a step of unity at a time



: decreases the value shown on DISPLAY (TIMER or  $T^{\circ}\text{set}$ ) a step of unity at a time

The START micro switch is active; the closing of the press will start the set cycle. The display will show the real temperature. The minimum temperature the display can show is  $0^{\circ}\text{C}$ ; in case of temperature lower than this value, three hyphens are being displayed. By pressing on the SET key, one can also sequentially verify the  $T^{\circ}\text{set}$  temperature values (last programmed value) and subsequently the TIMER's values (last programmed value). Each time SET is pressed, a change of the program show on display occurs with subsequent displacement of the dip-point signaling.

### Control of the heating resistance.

When system is on idle-on mode, the heating resistance is operative. It goes without saying that the heating becomes active when the temperature of the ironing surface  $T^{\circ}\text{real}$  is lower than the pre-set one  $T^{\circ}\text{set}$  (programmed). In such event ( $T^{\circ}\text{real} < T^{\circ}\text{set}$ ), disregard of the parameter shown on the display, the heating resistance will be activated so to reach the  $T^{\circ}\text{set}$ . Later it'll be activated to keep the temperature of the ironing plate close to the one set in the programming phase (in a range of  $+0 -5^{\circ}\text{C}$ ).

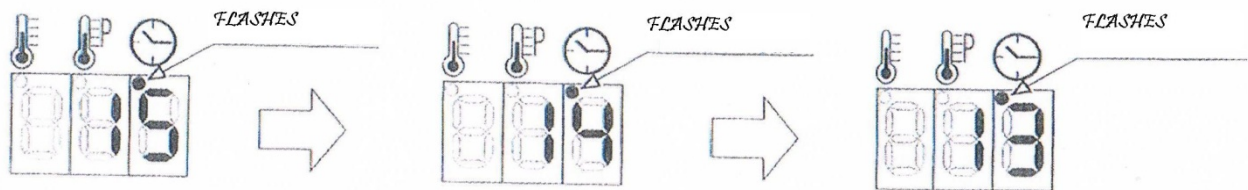
### Programming.

When display shows the set temperature ( $T^{\circ}\text{set}$ ) or the value of the TIMER, the pressing of the PIU (+) and MENO (-) key allows the modification of their values. **This operation is not possible only while machine is ironing (press closed).** Each pressure of either PIU (+) or MENO (-) key will increase or decrease the value

on the display by a unit at a time. The system memorizes the new value automatically after 2 seconds from the last pressure of either key (PIU + and MENO -). A quick flash on the display will show the stored value. Should a tension failure occur before the 2 seconds prior to retention, the system will not retain the new value, yet the previous value will stay in memory.

### Ironing cycle Start of the cycle

The ironing cycle can be started disregard of the temperature of the ironing plate and the parameter shown on the display. To start the ironing cycle and consequently the timer which determines its duration, just lower the press on the ironing surface; the START micro switch clipped on the machine detects the position and activates with immediate effect the TIMER controlling the duration of the cycle (programmed time). The display will automatically show the ironing length with a countdown (expressed in seconds); The dip-point to the timer function flashes thus confirming that the cycle is on. Let's suppose, we have programmed a ironing cycle upto 15 seconds. We'll end up with the following situation...



...and so on 'till programmed time's elapsed (see "END OF CYCLE"). During the cycle the parameters of the T°set and T°real can be visualized (yet they cannot be altered or modified) by pressing the SET key; the corresponding dip-points will keep on flashing to confirm that cycle is on. Viewing said parameters is not prejudicial to the correct working cycle.

### End of the cycle

When set time is over (FINE CICLO), the display turns off for approx. 3 seconds accompanied by an acoustic signal having same length. Three seconds after the "end of the cycle" has elapsed, the HEATING resistance of the ironing surface switches off (only if active: see "CONTROL OF THE HEATING AT THE END OF CYCLE"). At this point, the operator can lift the press from the ironing surface and carry on with further ironing.

### Ending the ironing cycle.

To terminate the ironing cycle before the end of the programmed time, it only needs to set the system on STAND-BY by means of the ON-OFF key. This way, coming back to IDLE-ON (again ON-OFF) at a later stage, the system's ready to start a brand new cycle.

### Opening of the press during an ironing cycle

The opening of the press during a working cycle does not interrupt the same; in a matter of fact, the TIMER continues its countdown 'till the cycle comes to an end. The system reacts in a totally different way in case the press is opened and subsequently closed during a working cycle. In such case, as soon as the press is being returned to the ironing plate, the timer will "reset" and a brand new cycle of same length will start from the scratch again.

### Control of the heating at the end of a cycle

During the end-of cycle phase, after the 3 seconds warning have elapsed (see above), should the operator not lift the press from the ironing plate, the HEATING (if active) will be deactivated. Once the press has been lifted, if necessary (i.e. T°real < T°set), the HEATING will be reactivated to reach T°real=T°set. Consequently we'll be having at the end of the cycle with lower press

If T°real=T°set i.e. HEATING OFF    EVERYTHING OK

If T°real < T°set i.e. HEATING ON    HEATING OFF

This shrewdness has been adopted to avoid leaving the ironing cloth between the press and the ironing plate with the latter in a heating phase, should the operator not hear the end-of-cycle warning.