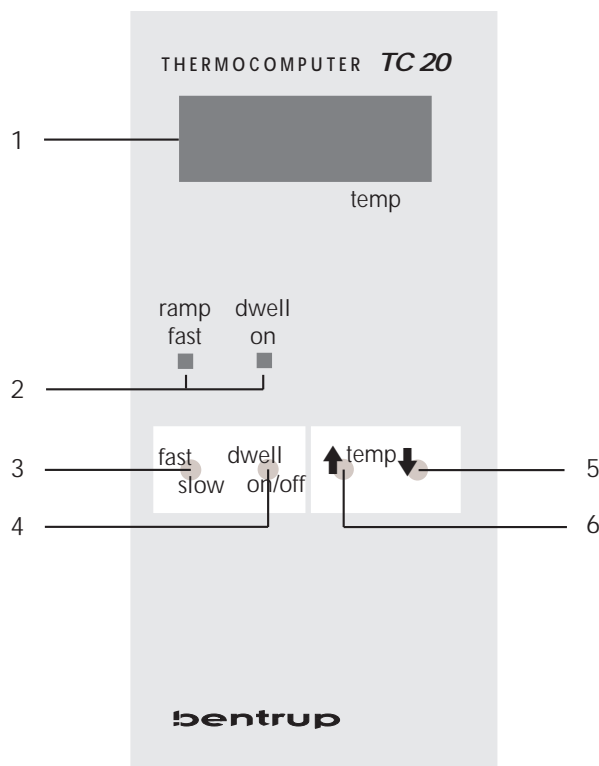


Programming

The microprocessor controller TC20 gives an exact regulation of your kiln and an exact firing result.

The simple temperature course of the kiln consists of a first ramp selectable fast or slow (300°C/h or 100°C/h). to fixed setpoint 580°C. Second Ramp is "Full-on" (100%) to adjustable top temperature 400°C - 1320°C (in 5°C steps). The fixed dwell of 30 Minutes is selectable "on" or "off".



- 1 display
- 2 ramp / dwell indicators
- 3 key "fast / slow ramp"
- 4 key "dwell on / off"
- 5 key "temperature down"
- 6 key "temperature up"

Starting a firing

After power up the TC20 shows the final temperature on the display (1). Use the keys (5) and (6) to adjust the temperature if required.

The indicators (2) show the actual setting of the first ramp (fast when indicator lit) and the dwell (dwell on if indicator lit). Use the keys (3) or (4) resp. to change if required.

20 seconds after all adjustments have been finished the TC20 will start the firing automatically. The flashing decimal point on the very right of the display (1) indicates a running firing; the display (1) is showing the actual kiln temperature.

If you need to do any changes to the programme now you can by using the keys as described above. The TC20 will continue firing automatically 20 seconds after the keys have been released.

At the end of the firing the decimal point on the very right of the display stops flashing.

Error messages

The integrated microprocessor of the controller TC20 always checks the firing course. If a disturbance occurs the display will show an error message. Here are the possible error messages:



The kiln won't follow the required temperature increase.

Possible cause:

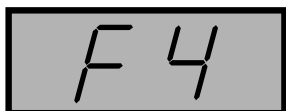
- A fuse is defect or has turned off
- The door contact is open
- The heating elements are too old (especially with high firing temperatures)



Error on temperatur acquisition

Possible cause:

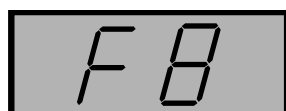
- thermocouple is defect
- thermocouple wiring bad (check all connectors, wiring etc.)



Error on temperatur acquisition

Possible cause:

- thermocouple polarized badly
- acquired temperature lower then -15°C



Controller Problem

On every power-up the controller performs a self check. If an error is detected the controller shows F8. Please contact you local dealer.