

# Eurotherm 3504 Controller Sample Program – 800 C Dwell

## 1. Turn Element Power Switch Off

## 2. Set manual set point temperature.

Press  $\square$  and  $\cup$  together

(The furnace temperature appears in the upper display and the current manual set point appears in the lower)

Press  $\blacktriangle$   $\blacktriangledown$  until the desired manual set point temperature appears in the lower display. Once the program has completed, this is the temperature the furnace will dwell at.

## 3. Enter Level 2:

Press and hold  $\square$  until ACCS appears in the upper display Goto Level 1 appears in the lower display

Press  $\blacktriangle$   $\blacktriangledown$  until Level 2 appears in the lower display Pass Code appears in the lower display

Press  $\blacktriangle$   $\blacktriangledown$  until 2 appears in the lower display Pass appears in the lower display

The controller is now in Level 2

## 4. Press $\square$ until Program Edit appears in the upper display

## 5. Enter and run a program to ramp the furnace to 800 °C at 100 °C/hour, and then dwell indefinitely.

Program is the first parameter; use the  $\blacktriangle$   $\blacktriangledown$  keys to select **1**

Press  $\cup$  until the up/down icon is next to Ramp Units; use the  $\blacktriangle$   $\blacktriangledown$  keys to select **Min**

Press  $\cup$  until the up/down icon is next to Segment; use the  $\blacktriangle$   $\blacktriangledown$  keys to select **1**

Press  $\cup$ ; the up/down icon is next to Segment Type; use the  $\blacktriangle$   $\blacktriangledown$  keys to select **Time**

Press  $\cup$ ; the up/down icon is next to Target SP; use the  $\blacktriangle$   $\blacktriangledown$  keys to select **800**

Press  $\cup$ ; the up/down icon is next to Ramp rate; use the  $\blacktriangle$   $\blacktriangledown$  keys to select **8:00:00**

Press  $\cup$  until the up/down icon is next to Segment Type; use the  $\blacktriangle$   $\blacktriangledown$  keys to select **End**

Press  $\cup$ ; the up/down icon is next to End Type; use the  $\blacktriangle$   $\blacktriangledown$  keys to select **Dwell**

## 6. Run Program #1

Press  $\square$  until Program Status appears in the upper display

Program is the first parameter; use the  $\blacktriangle$   $\blacktriangledown$  keys to select **1**

Press  $\cup$ ; the up/down icon is next to Status; use the  $\blacktriangle$   $\blacktriangledown$  keys to select **Run**

## 7. Turn Element Power Switch On