

# Eurotherm 3504 Controller Setup with Two Events – Type B

## Enter the controller configuration level:

Press and hold  $\square$  until ACCS appears in the upper display Goto Level 1 appears in the lower display  
Press  $\blacktriangle \blacktriangledown$  until Config appears in the lower display Pass Code appears in the lower display  
Press  $\blacktriangle \blacktriangledown$  until 4 appears in the lower display Pass appears in the lower display  
The controller is now in configuration mode

## Set controller configuration parameters:

- Use the  $\blacktriangle \blacktriangledown$  keys to adjust parameter values
- Press the  $\cup$  key to enter the value and cycle to next parameter
- Press  $\square$  to return to the top of a configuration menu
- At the top of a menu Press  $\square$  to cycle to next menu
- Please note that the only parameters listed are the parameters required for furnace operation.

### Inst - Opt

Set Units to C

### PV Input

Set IOtype to Thermocpl  
Set LIN Type to B  
Set Res'n to XXXXX  
Set CJC Type to internal  
Set SBrk to Low

### Mod – 1A

Set Ident to DC Output  
Set IO Type to mA  
Set Res'n to XXXXX  
Set Range Hi to 20  
Set Range Lo to 4

### Mod – 2A

Set ident to Relay  
Set IO Type to OnOff

### Mod – 2C

Set ident to Relay  
Set IO Type to OnOff

### LP1 – Setup

Set ch1 control to PID  
Set Control act to Rev  
Set Deriv Type to Error

### LP1 – PID Configuration

Set sched type to PV  
Set num sets to 3  
Set Boundary 1-2 to 500  
Set Boundary 2-3 to 1000  
Set OPhi/2/3 to 100  
Set OPlo/2/3 to 0

### LP1 – SP Configuration

Set Range Hi to 1706  
Set Range Lo to 0  
Set SP High Lim to 1706  
Set SP Low Lim to 0

### LP1 – OP Configuration

Set Output Hi to 100  
Set Output Lo to 0

### Program Setup

Set Power Fail to Ramp  
Set Max Events to 2  
Set PVEvent to No  
Set Time Event to No

## To Exit Configuration:

Press  $\square$  until ACCS appears in the upper display Goto Conf appears in the lower display  
Press  $\blacktriangle \blacktriangledown$  until the desired level is shown.  
Press  $\cup$

