

# Eurotherm 3504 Controller Setup with Eight 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, 2C

Set ident to Relay  
 Set IO Type to OnOff

### Mod – 3A, 3C

Set ident to Relay  
 Set IO Type to OnOff

### Mod – 4A, 4C

Set ident to Relay  
 Set IO Type to OnOff

### Mod – 5A, 5C

Set ident to Relay  
 Set IO Type to OnOff

### LP1 – Setup

Set chl 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 4  
 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  $\cup$