

Eurotherm 3504 Controller Setup with Four Events – Type K

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 K
 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

Mod – 3A

Set ident to Relay
 Set IO Type to OnOff

Mod – 3C

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 2
 Set Boundary 1-2 to 500
 Set OPhi/2/3 to 100
 Set OPlo/2/3 to 0

LP1 – SP Configuration

Set Range Hi to 1100
 Set Range Lo to 0
 Set SP High Lim to 1100
 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