

Eurotherm 3504 Controller Setup with no Events – Type R

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 R
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

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 1595
Set Range Lo to 0
Set SP High Lim to 1595
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 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