Eurotherm 3504 Controller Setup with Two Events – Type 20/40

Enter the controller configuration level:

Press and hold ☐ until `ACCS` appears in the upper display   `Goto Level 1` appears in the lower display
Press ▲ ▼ until `Config` appears in the lower display   `Pass Code`   appears in the lower display
Press ▲ ▼ 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 ▲ ▼ keys to adjust parameter values
- Press the ↻ key to enter the value and cycle to next parameter
- Press ☐ to return to the top of a configuration menu
- At the top of a menu Press ☐ 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   t025
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   1800
Set    Range Lo     to   0
Set    SP High Lim  to   1800
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 ☐ until   `ACCS`   appears in the upper display `Goto Conf` appears in the lower display
Press ▲ ▼ until `the desired level is shown.`
Press ↻