

E-Stop, Over-travel and Alarms

DynaPath WinDelta CNC Mill Control · Operator Quick Guide

E-STOP is hard-wired and cuts motor power in any mode: release it and press RESET to recover. Current and past alarms are listed under **MODE → S SYSTEM → MESSAGE**. [4.6, 17.6]

Hardware over-travel recovery Manual 4.7.1

- 1** Note which axis is on its limit and which way it must move to come off.
- 2** Go to the **JOG** or **MPG** screen.
- 3** Turn **RAPID OVERRIDE** to its lowest setting.
- 4** Hold **OT RELEASE** and press **RESET** to turn the servos on.
- 5** Keep holding OT RELEASE and move each axis back inside its travel.
- 6** Release OT RELEASE. Done when no E-stop or over-travel alarm remains.

Software over-travel [4.7.2]: jog or MPG away from the limit and the warning clears. AUTO and MDI won't run while it's showing.

Common alarms and first actions Manual 19.1

Code	Meaning	First action
0010 / 0011	Hardware / software E-stop	Release E-STOP, press RESET
0019, 0040–0047	Hardware over-travel (by axis and direction)	Follow the over-travel recovery steps above
0050–0057	Software limit exceeded (by axis and direction)	Jog away; check the program fits the travel envelope
0001–0004	Following error overflow (X, Y, Z, C)	Check for a crash, binding or a heavy cut; RESET and re-home
0014–0018	Homing problem / axis inside DOG range	Jog the axis clear of the home switch, then re-home
0048	Arc command error	Check the arc end point and I/J/K or R in the program
0049 / 0028	Rigid tapping spindle speed fault	Check spindle state and the S value before the tap cycle
0096 / 0106 / 0107	Compile error / unsupported G-code / canned cycle error	Check the program line shown; edit and re-run
0102	Sub-programs nested more than 8 deep	Simplify sub-program calls

For alarms not listed, or hardware and parameter errors (0089–0121, 1000+), note the code from the MESSAGE screen and contact your MACH dealer. Remote Assist is covered in [18.6].

CAUTION If someone is trapped [2.4]: open the guards via door release and press E-STOP. Free them with the manual handwheels, or turn the spindle by hand with the air supply removed. With no handwheels: release E-STOP with guards open, select JOG → MPG at the smallest increment and move slowly.