

Torque Mode for the VG10 Drives

The following is a drawing that shows a connection for a system that requires torque mode. The system operates with the external torque reference for torque control and speed control in jog mode. The external torque reference can be either 0 to +10Vdc or -10 to +10vdc (H18). When in jog mode the drive will run at the preset speed set by C20. The VG10 can operate in open and closed loop torque mode, in closed loop (F42 = 1) & (O01 = 01) encoder feedback is used to provide torque at zero speed with a tension range of approximately. 10:1. Open loop (F42=1) requires the motor to have rotation with a tension range of approximately 3:1.

