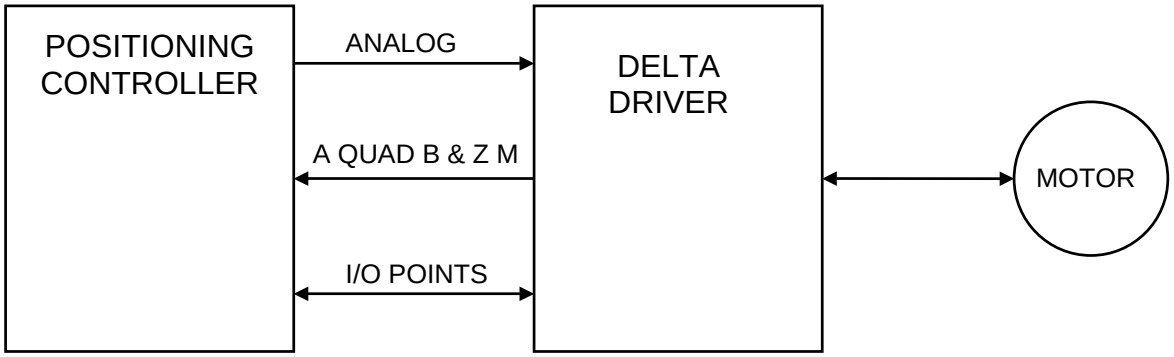
SECTION 11 - CONNECTING A DELTA DRIVER TO AN EXTERNAL POSITIONING CONTROLLER

The Delta motors and drivers are commonly connected to external positioning controllers. An external positioning controller would typically use the encoder equivalent output of the Delta Driver for feedback and the analog speed or torque input for command. Several I/O points should be used for DRIVE ENABLE, SERVO NORMAL and RESET. Typical connections would be as follows:



The IIS MSC line of multi-axis positioning controllers can be easily connected to the Delta motor and driver using standard cables provided by IIS. Detailed connection diagrams (IC-065002) and the drawing for cable C-477YYY can be found in **Appendix B**.

The Delta Driver would typically be loaded with the following parameters to run with the IIS MSC line of positioning controllers.

Parameter	Description	Value
AJ0	REF1 Speed Command Zero	0.00
AJ1	Speed Command Scale	7.00
UP-01	Control Mode set to SPEED MODE	1
UP-04	Electronic Gear Ratio Numerator	24000
UP-05	Electronic Gear Ratio Denominator	4096
UP-12	Accel Time	0.00
UP-13	Decel Time	0.00
UP-14	S-Shaped Time	0.00
UP-17	REF1 & REF2 Polarity	00
UP-19	Output Pulse Coding	01

Many other parameters in the Delta Driver would be set per the motor type, resolver cable length, braking method, regen resistor, etc.