



Transition from M series to J series servo motor

There are two main differences between J and M series servo motors:

- the connectors are different, so different extension cables are needed
- encoder resolution is higher on J series motor (J series have a 10000 count/rev encoder; M series have an 8000 count/rev encoder)

Metric mounting dimensions are the same, as are shaft diameters. Minor adjustments may need to be addressed in the servo tuning, but for many applications the tuning files that are included in the Quick Tuner software will suffice. Quick Tuner is available for free download from the Applied Motion website at: <http://www.applied-motion.com/products/software/quick-tuner%E2%84%A2>

For users of Applied Motion servo drives the transition is easy. Simply change the encoder count from 8000 counts to 10000 counts in Quick Tuner under in the Motor-Encoder tab and verify the servo drive tuning by running some sample moves.

Cables to connect a J series motor to the drive are normally in stock. Customers who want to build their own cables can find connector part numbers and pin-out designations on the cable drawings available on the website.

For more details, visit <http://www.applied-motion.com/products/series/j-series-servo-motors>