

New ServoWire SD Drives with IEEE 1394b

The release of the SD Drive family has expanded INMOCO's networked servo drive line. The SD family enhances the popular networked digital drive line with the addition of IEEE 1394b technology. The 1394b network is more robust, efficient and faster than the previous 1394a network. The 1394b standard expands on 1394a, and defines a roadmap to 3.2 G-bit signaling as well as definitions for additional communications media (e.g. fiber optic). The introduction of this drive family, combined with our new series of SMLC controllers, allows ORMEC to provide a complete motion control system with the advantages of 1394b.

ServoWire SD Drives include an analog input which can be used within the drive or by the host controller. This allows high performance tension control within the drive. An analog output is also provided and can be used to command a remote device or as a monitor signal. The drive has 8 digital I/O points and 2 high speed sensor inputs; all connected via pluggable terminal blocks with convenient LED indicators to aid in system start up and trouble shooting.

The SD family consists of 14 drives, ranging in size from 3 amps to 60 amps. The 230 Series accepts 115 or 230 VAC inputs, offering 600 to 15,000 watts of output power. The 460 Series accepts inputs of 230 or 460 VAC, offering 2,400 to 24,000 watts of output power.

ServoWire SD digital drives provide high performance servo operation utilizing digital networking technology based on IEEE 1394b. This network provides high bandwidth and ease of use through cost-effective, industry-standard cabling. Each ServoWire drive supports a variety of high performance, quadrature and serial encoder and resolver-based servomotors. Consult INMOCO for OEM applications of user-supplied brushless rotary or linear motors ---as well as DC brush-type & voice-coil motors from a wide range of manufacturers.

All ServoWire drives utilize reliable IGBT-based intelligent power modules and provide a cost effective solution for today's motion control applications.



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