

An EPICS Solution for Galil Products that can Provide a Comprehensive, and High Performance Motor and PLC Control System for Use at Synchrotrons

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A new Asyn based model 3 EPICS driver for Galil products has been written. The software connects EPICS to all products in the Galil range, resulting in an easy way to implement beamline and other synchrotron control equipment. High bandwidth updates using UDP is supported enabling high performance analog and digital IO. Standard motor record point to point motion is supported as well as a litany of new features such as auto power on/off, wrong limit protection and more. For high end motor controls, coordinated velocity trajectory motion for up to 8 motors is available whilst output compare can be used to gate external detectors based on motor position. Up to 8 pseudo or virtual motors are also supported. Devices requiring multi-mode coordinated motion are easily implemented using the provided run-time changeable kinematics. The driver is simple and intuitive, whilst being flexible, and providing high performance. This EPICS driver for Galil products is the easy way to meet your demanding requirements.

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