

KIST Small Arms Control Unit

Background: The Keep it Simple Technology Fire Control System is designed to fill a need in the small arms testing community. In all testing, consistency is the key to quality data. The testing of weapon systems is no different. Historically, maintaining a repeatable rate of fire during a test has been cause for concern. Variations from hour to hour and day to day can induce unwanted variation and diminish the validity of the data. One solution to this problem is to remove the variation in the rate of fire, or at least minimize the variation. The Small Arms Control Unit does exactly that. This system is a universal control system designed to work with a wide range of weapon systems and test conditions.

Main Control Module: The Main Control Module incorporates the following functions necessary for Small Arms testing:

- 110VAC – 5Amps Main Supply (24VDC Available on Request)
- Ballistic Ground
- Pneumatic and Solenoid Actuator Support
- Timer Control
 - Programmable On-Time
 - Programmable Off Time
 - Cycle Counter
- Counter Control
 - Programmable Round Count
 - Programmable On-Time

- Programmable Off Time
- TTL Input for Sensor
- 4 Auxiliary Channels
 - 24VDC — 5 Amps
- Emergency Stop



Remote Trigger: The Remote Trigger Module provides remote Fire and E-Stop functions. This allows the gunner to be closer to the weapon system during testing. This module can be configured with an input for the counter signal.



Remote Fire Module: The Remote Fire Module provides duplicate Actuator and Auxiliary Lines. These lines are controlled by the Main Control Module over a distance of up to 100m. This module facilitates the testing of experimental weapon systems from a safe distance.



Please feel free to contact us for current pricing or with any other testing needs.



Common Sense, it's Not Complicated

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