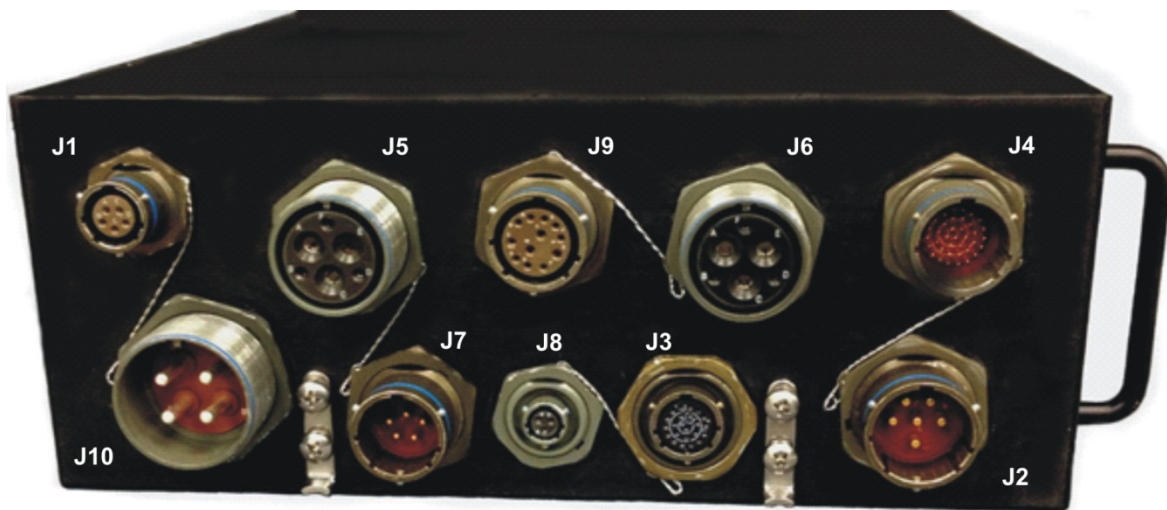


GUN INTERFACE UNIT

Controller for gun functionality, power management, and distribution.



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Controller for gun functionality, power management, and distribution.



Under Stores Management Unit control, the Gun Interface Unit (GIU) is a power distribution controller that not only controls gun functionality (motor and solenoids) but contains remote circuit breakers for power management of other FCC functions including jettison, laser sighting activation, gun boost motor capability, and last round switch, if desired. It's primary function, however, is to provide left or right single gun, or dual gun control for the M134 and GAU-19A/B (as well as HMP-400 or M2/M3). The GIU is equipped with back EMF suppression in switching all of the guns inductive loads including the gun motor, feed solenoid, safing solenoid and boost motor. Because the GIU provides power distribution, it is still required when guns are not present in the weapons configuration.

Features:

- Single or dual gun control
- Timing functions for gun solenoid activation (Feed, Safing)
- High power motor current control and switching
- Auxiliary 28VDC power distribution to other weapon system components: Fire Control Computer and Stores Management Unit
- Control and power for other weapons functions: Laser Sighting, Boost Motor, Last Round Switch, and Jettison
- Separate and isolated power distribution input/output for gun activity and other more sensitive electronics
- Weight: 14.5 lbs.
- Dimensions: 11.0" W x 10.75" L x 4.25" H

Electrical:

- Voltage – 28VDC
- Current – 0.3A Standby

Physical:

- Weight – 12.8 lbs.
- Dimensions - 11.0"L x 10.75"W x 4.25"H

Qualified - Environmental:

- Complies with MIL-STD-810G

Qualified - Electro Magnetic Interference:

- Complies with MIL-STD-461F

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