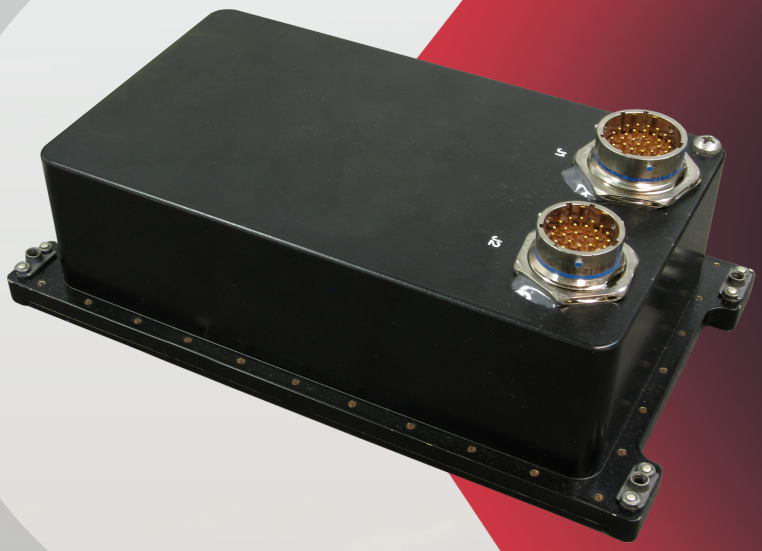

Product Sheet

Electro-Explosive Device Controller

KRATOS

ELECTRO-EXPLOSIVE DEVICE CONTROLLER

The Electro-Explosive Device (EED) Controller is suitable for use on Aerial Targets and UAVs to enable the orderly deployment of the parachutes in order to safely recover the vehicle. The unit provides timing circuits for recovery system arming, the main parachute deployment delay, and automatic and commanded recovery sequences. It controls power to the explosive cartridges used to deploy and release the parachute and tow target systems and deactivation of power to the avionics suite. The EED utilizes the latest modern devices and circuitry to provide a reliable product with an extremely long operating life.

The EED receives drogue deploy from the PMU as well as loss of command present signals and emergency parachute activations from IFC.

Features

Field-Proven Hardware

Operates with 28 VDC input and 12 VDC Input from Power Management Unit (PMU)

Activates upon Essential Safety Communications from PMU/IFC

Applications

Vehicle Recovery System

Characteristics

Input Voltage Range:	24 VDC to 32 VDC (28 VDC Nominal) and 12 VDC +/- 1 VDC
Power Consumption:	<1 amp @ 28 VDC
Temperature:	Operating: -40º C to +71º C Storage: -54º C to +125º C
Cooling:	Passive Conductive (no moving parts)
Vibration:	Operating, Random, 10 GRMS
Shock:	Half Sine, 20 Gs peak, 11 ms, 3 axes
Altitude:	Up to 50,000 feet

Physical

Size:	4.125"H x 9.30"W x 2.51"D
Weight:	3.5 lbs
Installation:	Flange Mount Base Plate

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