



CAPACITIVE DISCHARGE INITIATOR (CDI) MODULE

DESIGNED FOR MISSION CRITICAL APPLICATIONS

INVOCON, INC.

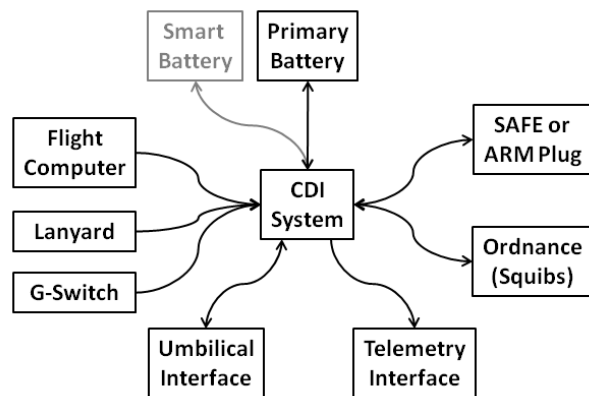
TECHNOLOGY PROFILE FEB 2011

Invocon's Capacitive Discharge Initiator (CDI) Module provides missile control and monitoring capabilities in a single compact unit. It enables safe operation and monitoring of ordnance.

The CDI provides four fully redundant output channels, a single input trigger for starting the timer, 1 ms resolution per channel, and four hours of run-time after the input trigger.

Other features include:

- CDI capacitor voltage monitoring
- Command trigger function on all channels
- CDI event monitoring
- Health and status monitoring
 - Altitude Switches (open/close)
 - SAFE/ARM plug identification
 - SAFE/ARM state identification
- Single power supply source voltage
- Bad umbilical pull protection
- Smart primary and rechargeable battery support
- Software development kit, improved programming, and application software



Specifications for P/N: IVC4081000-301

<u>Electrical</u>	
Input voltage	27 VDC – 32 VDC
Connectors	MIL-C-38999 for power Standard DB-X connectors for all other functions
<u>Mechanical</u>	
Size (L x W x H)	8.93 x 8.77 x 3.16 inches (not including connectors)
Weight	10.3 Lbs.
Case material	6061 aluminum, Alodine coated
<u>Environmental</u>	
Operating Temperature	-24° to 61°C
Qualification Temperature	-34° to 71°C
EMI Qualification	MIL-STD-461 (200Volts/meter)