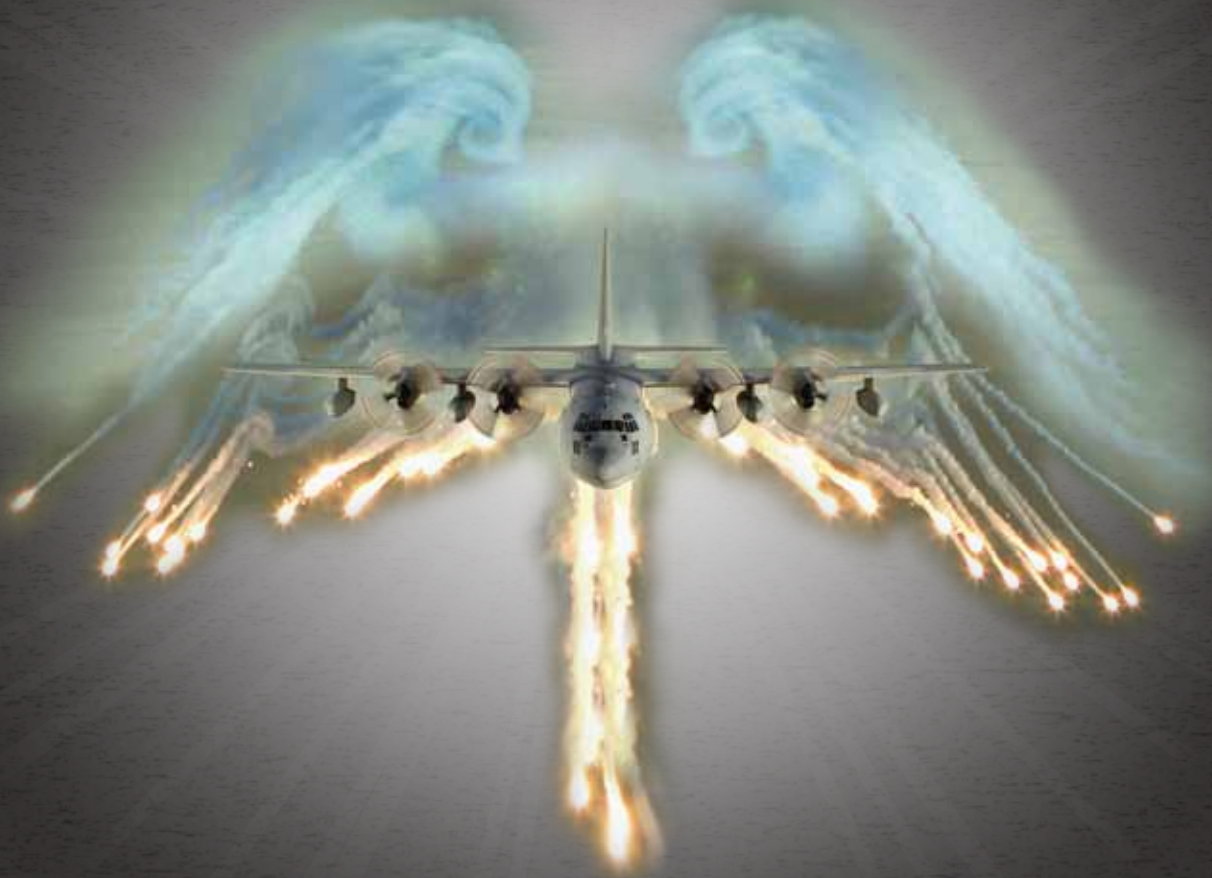


SYMETRICS

AN/ALE-47 CMDS
Countermeasures Dispenser System



Your "Guardian Angel"

Installation



Test Equipment



Support Equipment



Training



We don't just BUILD it, we SUSTAIN it!

Symetrics' AN/ALE-47 CMDS

Symetrics Industries understands the need for preserving commonality. As the U.S. Government's Prime Contractor for the AN/ALE-47(V) since 2001, our focus is on sustaining current hardware, as well as non-intrusive integration. Currently, the AN/ALE-47 is fielded in over 30 countries and is integrated on many different fixed-wing and rotary-wing aircraft.

Countermeasures Dispenser System

...life saving nEWs



Safety Switch



Programmer



Dispenser Assembly



Control Display Unit (CDU)



Sequencer

Modes of Operation

Fully Automatic

- (1) CMDS receives & analyzes threat data
- (2) CMDS selects the appropriate response:
 - (a) Type/# of expendables
 - (b) Dispersal sequence and pattern
 - (c) Timing of dispense
- (3) CMDS consents to release

Semi-Automatic

- (1) CMDS receives & analyzes threat data
- (2) CMDS selects the appropriate response:
 - (a) Type/# of expendables
 - (b) Dispersal sequence and pattern
 - (c) Timing of dispense
- (3) AIRCREW consents to release

Manual Operation

- (1) AIRCREW determines need for countermeasures
- (2) AIRCREW selects the preprogrammed response:
 - (a) Type/# of expendables
 - (b) Dispersal sequence and pattern
 - (c) Timing of dispense
- (3) AIRCREW consents to release

Expendables

- ◆ Capable of carrying a mix of expendable countermeasures, including special material, kinematic and expendable jammers
- ◆ Handles conventional chaff and flare decoys that are compatible with the previous generation ALE-40 and ALE-39 dispensers
 - ◆ Supports dispensing of new generation expendable decoys

Interfaces for Automated Operations

- ◆ Missile Warning Systems (MWS) ◆ Radar Warning Receivers (RWR) ◆ Laser Warning Receivers (LWR) ◆ Jammers

Specific Benefits

- ◆ Common LRUs ◆ USG Coalition compliant software loads ◆ Information integration into cockpit MFD ◆ Higher MTBF
 - ◆ Lower cost to support ◆ Logistically supportable today (no new support equipment)
 - ◆ Ongoing modifications supporting new weapons systems ◆ Smart dispense
- ◆ Bypass Mode: System operates if Programmer fails allowing aircrew to dispense using CDU

Support Equipment



AN/ALM-295
Countermeasures Dispenser Test Set (CDT)



AN/USQ-131-B
Memory Loader Verifier System (MLVS)



SYMETRICS INDUSTRIES

Big Business Ability,

...Small Business Agility

1615 W. NASA Blvd ◆ Melbourne, Florida 32901 USA ◆ Phone (321) 254-1500 ◆ Toll Free (866) 512-0105 ◆ ALE-47@symetrics.com

symetrics.com

Symetrics Industries is a subsidiary of Extant Components Group, Inc. ISO 9001:2008 and AS9100:2009 Certified

Nov2012