

AN/AAR-47 Missile Warning System

Multi-Threat Detection: Missile, Laser and Hostile Fire

FACT SHEET



Multi-Threat Detection: Missile, Laser, and Hostile Fire

The AN/AAR-47 is an electronic warfare system designed to protect aircraft against IR guided missile threats, laser-guided / laser-aided threats and unguided munitions. Upon detection of the threat, the system will provide an audio and visual sector warning to the pilot. For IR missile threats, the system automatically initiates countermeasures by sending a command signal to the Countermeasures Dispensing Set.

Orbital ATK's AN/AAR-47 System Offers:

- Multi-threat warning in one fully integrated system
- Low False Alarm Rate
- High Probability of Timely Warning
- Sensor pre-processing for improved performance in high clutter environments
- In service on a wide variety of fixed and rotary wing aircraft
- Proven performance & reliability in prolonged and demanding combat environments
- 15-Year Service Life

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Hostile Fire Indication Capability

- Fielded, Combat Deployed system
- Extensive US Government Live Fire testing
- Detects Unguided Munitions
- Data collection from two different Combat Theaters

Installed on a wide number of aircraft:

- U.S. Navy & Marine Corps - AH-1W/Z, UH-1N/Y, CH-53D/E, HH/SH/MH-60, P-3, C-130, CH-46, V-22
- U.S. Air Force - C-5, C-141, C-17, MH-53J, HH-60G, C-130E/H/J, HC-130N/P, A-10, C-27J
- U.S. Army - DHC-7, MH-47E, MH-60
- Other – S-61/SH-3, AH-6/MD-530, C-12, AW-139, B212/214/412, DHC-8, HB-350, CN-235, BT-67, C208

Interfaces with the following equipment:

- Radar Signal Detecting Set – AN/APR-39
- Countermeasures Dispensing Set - AN/ALE-39, AN/ALE-40, or AN/ALE-47
- Multi-Function Display cockpits
- Pilots Intercom System

Small and lightweight:

- Computer Processor (CP) is approx. 8x8x10 inches and weighs approx. 16.25 lbs.
- Control Indicator (CI) is approx. 2x5x6 inches and weighs approx. 2 lbs.
- Optical Sensor Converters (OSC) are approx. 5x8 inches and weighs approx. 3.5 lbs each.

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