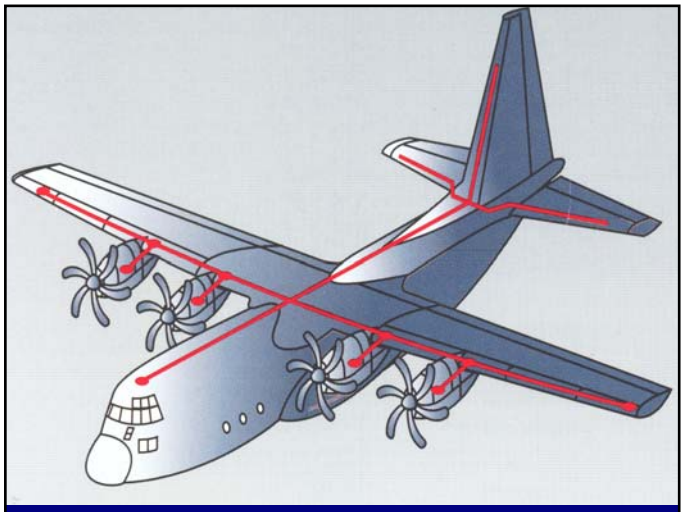
C-130 FIRE/OVERHEAT DETECTION SYSTEM

GOODRICH

C-130 Fire/Overheat Detection System

The Fire & Overheat Detection System (F/ODS) provides continuous fire and overheat detection in engine nacelles and the auxiliary power unit compartment. The system also detects hot air leakage from engine bleed air ducting and identifies the location of an overheat. On detection of an overheat condition, the system sends commands to the bleed air isolation valves.

Our technology can be customized to meet the fire detection needs of most aircraft.



Advanced dual channel system detects fire and reports the location of overheat in an aircraft

Benefits:

- Dual channel redundancy
- FAA Certified
- Verified fire detection within 5 seconds

Features:

- Dual loop continuous thermal sensors
- Fire detection in six zones
- Overheat detection in sixteen zones
- Overheat location to 5% of loop length
- Dual channel redundancy
- Elapsed time stored in memory
- Outputs status to data bus
- False alarm rate <1 per million hours
- Modular construction
- Bleed air valve control for isolation
- FAA Certified
- MIL-STD-1553 data bus
- Fail-safe operation of fuel isolation valves
- Verified fire detection within 5 seconds

Applications:

C130J, C127J

The system consists of a dual channel controller that monitors 22 redundant sensor loops and operates as a master and slave with cross-channel fault checking to achieve high integrity fire detection.

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