'Supporting the Aerospace and Oil Industries with Military precision'

DECU
Digital Electronic Control Unit

Digital Electronic Control Unit (DECU) is AT Engine Controls flagship product, which is the major component of the Full Authority Digital Engine Control (FADEC) system, designed for the Honeywell T-55 engine which powers the Boeing Chinook dual rotor helicopter.

ATEC's DECU contains dual channel engine control with two control lanes for redundancy and an independent overspeed trip for maximum safety. No scheduled maintenance or calibration with reduced user burden through automatic torque matching and "Hands off" starting.

DECU

FAST *ACCURATE* **COMPLETE**

'Supporting the Aerospace and Oil Industries with Military precision'

ENGINE CONTROLS

DECU

Technical Specification

- Weight: 13.5lbs
- Installation: Airframe - mounted, vibration isolators at mounting points
- Construction: Cast aluminium housing and cover with EMI seal
- Ambient temperature: -54 degrees C to +85 Degrees C
- EMC, Lightning Compatibility: Per MIL - STD - 461B, FS(F) 457 & FS(F) 510
- External connectors: MIL - C 38999 Series 3
- Circuit boards: Four multilayer boards
- Internal Connections: Multilayer flexible cables
- Diagnostic display: 2 Hexadecimal digits
- Serial Communication: via RS423 data report
- Overspeed Protection: Interface with engine fuel reducing valve