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G6990-07 ATC/TCAS Control Panel

GENERAL SPECIFICATIONS

Dimensions
- 2.235 (height) x 5.735 (width) x 5.0 (depth) inches, excluding rear connectors

Weight
- 2.0 pounds (max)

ATC Code Range
- 0000 to 7777 (Octal)

Electrical Requirements
- Power . . . . 115 VAC @ 400 Hz, 5.0 Watts (max)
- Panel Lighting (Incandescent White) . . . . 5 VAC variable

Connectors
- J1 Mating: M83723-75R16247, or equivalent 24 pin connector
- J2 Mating: M83723-75R16248, or equivalent 24 pin connector

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Color
- Front Panel – Boeing Brown BAC #8328
- Knobs – Boeing Beige BAC #8925
- Front Panel Markings – White FED STD 595b37875 (Futura Medium Condensed font)
- Push Buttons – Boeing Brown BAC #8924

Compliance
- RTCA/DO-160B (Environmental), RTCA/DO-178A (Software), RTCA/DO-181 (ATCRBS/Mode-S), RTCA/DO-185 (TCAS)
- ARINC 429, ARINC 718, ARINC 720, ARINC 735

Certification
- TSO-C112, TSO-C119
- B747-400

Features
- Dual Mode-S configuration
- Keypad entry for ATC code
- Altitude reporting ON/OFF
- Transponder L-R selection
- TCAS TA only, TA/RA
- System test function through rear panel discrete
- ABV/N/BLW function
- Altitude limit range: A = 2,700 ft, B = 7,000 ft
- Built-in-test (BIT) capability
- Non-volatile storage for ATC code
- Modular design provides flexibility for custom layouts
- Modular construction contributes to economical maintenance
- MTBF (Calculated): 15,000 operating hours