

g
a
b
l
e
s
e
n
g
i
n
e
e
r
i
n
g



G7131-02 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 5 VAC variable
- LCD Lighting 5 VAC variable

Connectors

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



G7131-02 ATC/TCAS Control Panel

Color

- Front Panel – Boeing Brown BAC #8328
- Knobs – Boeing Beige BAC #8925
- Front Panel Markings – White FED STD 595b37875 (Futura Medium Condensed font)
- IDENT Push Button – Non-reflective Black FED STD 595b37038

Compliance

- RTCA/DO-160C (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-C119b
- B777

Features

- Dual Mode-S configuration
- IDENT function
- Rotary knob entry for ATC code
- Altitude reporting OFF-ON
- Altitude source NORM-ALTN selection
- Transponder L-R selection
- TCAS TA only, TA/RA selection
- Altitude limit range: A = 2,700 ft, B = 7,000 ft
- Built-in-test (BIT) capability
- Non-volatile storage of ATC code
- Modular design provides flexibility for custom layouts
- Modular construction contributes to economical maintenance
- MTBF (Calculated): 14,000 operating hours

Gables Engineering Inc.

247 Greco Avenue, Coral Gables, Florida 33146

Tel: (305) 774-4400 • Fax: (305) 774-4465

www.gableseng.com

Proprietary Information

9/23/03 • Rev. 02