



## G7492-42 Flight ID/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)

#### Electrical Requirements

- Power ..... 115 VAC @ 400 Hz, 5.0 Watts True Power (max)
  - Normal Operation, Panel Lights at Full Bright ..... 8.0 Watts (max)
- Panel Lighting\* (White LEDs) ..... 0 - 5 VAC

\* Minimal current required – only used for brightness level monitoring

- One ARINC 429 output and input per Mode-S connector

#### Connectors

- J1 Mating: M83723-75R-16247, or equivalent 24 pin cadmium plated connector
- J2 Mating: M83723-75R-16248, or equivalent 24 pin cadmium plated 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
- ATC & Flight ID Indicators - White LED
- ATC FAIL Indicator - Amber LED

## Compliance

- RTCA/DO-160D (Environmental), RTCA/DO-178B (Software), RTCA/DO-181 (ATC), RTCA/DO-185 (TCAS)
- ARINC 429, ARINC 718A, ARINC 720, ARINC 735

## Certification

- TSO-C112, TSO-C119b

## Features

- Replaces Gables p/n G6992-12 and G6992-42
- Pin for pin compatible with existing (Gables) Dual Mode-S transponder control panels
- Indicator dimming input supports Boeing, McDonnell Douglas and Airbus
- Liquid spill-proof design
- White LED display and panel lighting for higher reliability
- Reverse Contrast Twisted Nematic (TN) LCD Display
- Reliable switch design (one million actuations)
- Built-in-test (BIT) capability
- Flash technology to support bench-level reprogramming using a PC
- Modular design provides flexibility for custom layouts
- Modular construction contributes to economical maintenance
- Dual Mode-S control panel
- Dual set of electronics
- MTBF (Calculated): 30,000 operating hours
- TCAS Options
  - TA/RA, TA Selection
  - ABV/NORM/BLW
  - Functional Test
  - Altitude Limits:
    - ♦ A = 2,700 ft, B = 9,900 ft or 7,000 ft
- ATC Options
  - Altitude Reporting: ON-OFF or 1-OFF-2
  - IDENT
  - FLIGHT ID
- Customized variants available upon request

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Proprietary Information

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