

G6990 and G6992 Series ATC/TCAS with ADS-B Control Panels



G6992-265



G6992-240



G6990-265



G6990-224

Gables ADS-B retrofit solution for G6990 and G6992 ATC/TCAS control panels

Transponder manufacturers offer independent discrete outputs for both transponder fault and ADS-B fault. By bringing the ADS-B fault discrete to the control panel, we can offer a modification to the existing Gables ATC/TCAS control panel to distinguish an ADS-B function failure.

For G6990 and G6992 models, most existing control panels can be modified to add the ADS-B annunciation.

Gables also offers equivalent replacements for other OEM ATC/TCAS controls.

G6990 and G6992 Series ATC/TCAS with ADS-B Control Panels

GENERAL SPECIFICATIONS

Part Numbering Scheme

- G6990-XX → G6990-2XX
- G6992-XX → G6992-2XX

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 15 VAC @400 Hz, 5 Watts (max)
- Panel Lighting (Incandescent White) 5 VAC variable
- Indicator Lighting (Incandescent White) 28/12.5 VDC dimming input voltage

Connectors

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

Color (all colors meet OEM specifications)

- Boeing Gray
- Boeing Brown
- Airbus Blue/Gray

Features

- Dual Mode-S configuration
- Transponder fail indicator (amber)
- Ident function
- Rotary knob entry for ATC code
- Altitude reporting OFF-ON
- Altitude source 1-2 selection
- Transponder 1-2 selection
- TCAS TA only, TA/RA
- System test function
- 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): 15,000 operating hours



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