

G7614 Series ATC/TCAS/Flight ID with ADS-B Fault Annunciator



G7614-522



G7614-504



G7614-602

INTEGRAL ADS-B FAULT ANNUNCIATION AND FLIGHT ID FOR ATC/TCAS CONTROL PANELS

The Gables G7614 ATC/TCAS Series with Flight ID is now available with integral ADS-B failure annunciation.

No need to install a separate dedicated ADS-B fail annunciator.

Easily distinguish between a transponder failure and an ADS-B failure.

A single panel solution to replace CTL92T and 92E.

Compatible with DO-260B compliant transponders such as NXT-600/-700, TDR-94D, MST-70B, and Garmin GTX 3000, GTX 335R and GTX 345R.

Available for single/dual transponder, for transponder only, TCAS I or TCAS II.

Transponder failure and ADS-B failure annunciation is triggered via rear panel discrete or via ARINC 429.



GENERAL SPECIFICATIONS

Dimensions

2.625 (height) x 2.375 (width) x 5.370 (depth) inches, excluding rear connector

Weight

1.1 pounds (max)

Electrical Requirements

Power (Including All Lighting) - 28VDC, 7.0 Watts (max)
Panel/Display Lighting (LED) - 0-5VAC/DC or 28VDC

Compliance

RTCA/DO-160D (Environmental), RTCA/DO-178B (Software),
RTCA/DO-181 (ATCRBS/Mode-S), RTCA/DO-185 (TCAS II),
RTCA/DO-197 (TCAS I), DO-260B
ARINC 429, ARINC 718A, ARINC 720, ARINC 735

Color

Front Panel – Black or Gray
Display Segments – White or Amber

MTBF

(Calculated): 20,000 operating hours

Connector

J1 Mating: MS27484T20F2SA,
or equivalent 65 pin connector

Certification

TSO-C112, TSO-C118, TSO-C119b

ADS-B/TRANSPONDER FAILURE MODES DESCRIPTION



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When the selected transponder receives an ADS-B fail condition, the display shows 'ADSB FAIL'. The ADSB fail indicator will also be illuminated. The panel continues to transmit ATC and Flight ID codes and mode settings.

While an ADS-B failure is present, any front panel input will return the panel to normal operation. The ADSB indicator will remain illuminated as long as the ADS-B failure persists.



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In a transponder fail condition, the display shows 'XPDR FAIL'; all front panel selections will be inoperable except 1/2 and TEST pushbuttons. If an ADS-B failure is also present, the ADSB annunciator will illuminate.