



G7614-122 shown (actual size)

G7614-() ATC/TCAS with Flight ID Control Panel

GENERAL SPECIFICATIONS

Dimensions

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

Weight

- 1.1 pounds (max)

ATC Code Range

- 0000 to 7777 (Octal)

Flight ID Channel Range

- 8 characters: 0 to 9, A to Z, space

Electrical Requirements

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

Connectors

- J1 Mating: MS27484T20F2SA, or equivalent 65 pin connector



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Color

- Front Panel – Non-reflective Black FED STD 595b37038 or Gray FED STD 595b36118
- Knobs – Non-reflective Black FED STD 595b37038
- Front Panel Markings – White FED STD 595b37875 (Futura Medium Condensed font)
- Push Buttons – Non-reflective Black FED STD 595b37038

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)
- ARINC 429, ARINC 718A, ARINC 720, ARINC 735

Certification

- TSO-C112, TSO-C118, TSO-C119b

Features

- Drop-in replacement for CTL92/A and CTL92T with additional Flight ID capability in a one panel solution
- Pin compatible with CTL92T
- Interfaces with TDR-94D or MST-67A via rear connector pin
- First Minima Twisted Nematic (FMTN) LCD Display
- Blue/White LED display and panel lighting for higher reliability
 - White or amber color display and NVIS options available (variant dependent)
- Liquid splash-proof design
- Built-in-test (BIT) capability
- Flash technology to support bench-level reprogramming using a PC
- Non-volatile storage of front panel settings
- Modular design provides flexibility for custom layouts
- Modular construction contributes to economical maintenance
- Dual Mode-S control panel
- CSDB remote tuning with TDR interface
- ARINC 429 capable
- TCAS Options
 - Ranges:
 - ◆ 3-5-10-15 (20-40 as extended ranges) nmi for MST mode
 - ◆ 3-5-10-20-40 or 5-10-20 or 6-12 nmi for TDR mode
 - TA/RA, TA Selection
 - ABV/NORM/BLW
 - Traffic AUTO-ON
 - Functional Test
 - Altitude Limits:
 - ◆ A = 2,700 ft
 - ◆ B = 9,900 ft
- ATC Options
 - Altitude Reporting
 - ◆ ON-OFF
 - ADC 1-2 selection
- MTBF (Calculated): 20,000 operating hours



G7614-21



G7614-22



G7614-121

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Proprietary Information
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