

ADEN | KDU 44

KEYBOARD DISPLAY UNIT

#Avionics



4"x4" AMLCD LARGE DISPLAY AREA
ARINC-739A PROTOCOL SUPPORT
RTCA DO-178B COMPLIANT SOFTWARE



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ADEN KDU 44

KEYBOARD DISPLAY UNIT

ADEN KDU 44 Keyboard Display Unit is a color display using Active Matrix Liquid Crystal Display (AMLCD) technology, with an active display area of 4 by 4 inches.

ADEN KDU 44 is designed to fully comply "ARINC-739 Multi-purpose Control and Display Unit" standard. It can transmit, receive and display data and status information from subsystems that are compatible with ARINC-429 and ARINC-739 standards.

ADEN KDU 44 provides Man Machine Interface (MMI) for operator data entry, avionics subsystem mode selections and subsystem status displays (flight, navigation, communication, weapon management) in accordance with ARINC-739 protocol.

Display Specifications

- Display Type : Color Active Matrix LCD
- Display Area : 4" x 4"
- Resolution : 480 x 480 (120 PGPI)
- Display Color : 262144 Colors
- Viewing Envelope : +/- 45° Horizontal +/- 60° Vertical
- Luminance Range : 0.04 fL - 160 fL
- NVIS Compatibility : MIL-L-85762A, Class B
MIL-STD-3009

General Specifications

- ARINC-739A Protocol Support
- Wide Active Area
- NVIS Class B Compatible
- Alphanumeric Keys
- Compact Design
- Easy to Integrate
- Ideal Match for Mission Computer Applications
- RTCA/DO-178B Compatible Software

Interfaces

- ARINC-429 Serial Communication
- Discrete I/O Interfaces
- RS-422 (Maintenance Interface)
- RS-232 (Maintenance Interface)

Physical Specifications

- Dimensions : 190.5 mm (H) x 146 mm (W) x 114 mm (D)
- Weight : < 2.5 kg
- Cooling : Natural Convection

Technical Specifications

- Operating Voltage : 28VDC
- Power Consumption : 40W (Operating)
80W (Heaters On)

Environmental Conditions

- Operating Temperature and Altitude : -40°C / +55°C, 15.000 ft
- Storage Temperature : -55°C / +85°C

Qualifications

- MIL-STD-810F
- MIL-STD-461E
- MIL-STD-704F



Specifications are subject to change without any notice. | All tolerances are within ±10%.

AGS - ADEN IKDU 44 - 12.2024