DHS-311
DIGITAL INTERCOMMUNICATION SYSTEM

FULLY DIGITAL INTERCOMMUNICATION
FULL SYSTEM REDUNDANCY
SOFTWARE CONFIGURABLE SYSTEM INTERFACES

DHS-311

DIGITAL INTERCOMMUNICATION SYSTEM

DHS-311 is a Digital Intercommunication Systems (ICS). The System provides communication between aircraft crewmembers, managing communication equipments, and integrating audio and intercom facilities together with all audio caution and warning messages.

DHS-311 provides reliable and high intelligible high quality audio communication for noisy military environments. Architecture of DHS-301 provides redundancy of all critical functions.
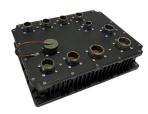
DHS-311 is capable of supporting different pre-programmed ICS configurations. It can be easily configured without any hardware changes.

Subassemblies

- Extended Audio Control Panel (EACP) (User interface for adjustments and selections)
- Digital Audio Central Unit (DACU) (Audio distribution for control panels)

Extended Audio Control Panel (EACP)

Digital Audio Central Unit (DACU)

General Specifications

- Radio Receiver/Transmitter Channels Control
- Multiple Radio Transmission Capability
- Navigation Receiver Channels Control
- Controlled and Uncontrolled Direct Receiver Channels Support
- Interphone Channel Management
- Interphone Communication between pre-defined Groups (NET Operation)
- Sidetone Capability
- Voice Recorder Output
- BIT (Built-In Test) Capability
- Tone Generation and Control
- Microphone selection capability for Oxygen Masks

Interfaces

- Analog Audio I/O Interfaces
- Serial Interface (RS-232/RS-485/RS-422)
- Discrete I/O Interfaces
- Dual Redundant MIL-STD-1553B Interface

Physical Specifications

- Dimensions
  - EACP: 86 mm (H) x 146 mm (W) x 179 mm (D)
  - DACU: 260 mm (H) x 200 mm (W) x 75 mm (D)
- Weight
  - EACP: < 1.8 kg
  - DACU: < 3.1 kg

Technical Specifications

- Power Input: 28 VDC (Nominal)
- Power Consumption
- EACP: 12W (Nominal) / 14W (Maximum)
- DACU: 24W (Nominal) / 28W (Maximum)

Environmental Conditions

- Operating Temperature and Altitude: -40ºC / +71ºC, 20.000 ft
- Storage Temperature: -54ºC / +71ºC

Qualifications

- MIL-STD-461E
- MIL-STD-810G
- MIL-STD-704 A/E

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

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