

# AICON | DHS 121

ANALOG INTERCOMMUNICATION SYSTEM

#Avionics



FULLY ANALOG INTERCOMMUNICATION  
VOX & REMOTE RADIO SELECTION CAPABILITY  
HIGH QUALITY AUDIO



**aselsan**

# AICON DHS 121

## ANALOG INTERCOMMUNICATION SYSTEM

AICON DHS 121 is an analog Intercommunication System (ICS). The System provides communication between pilot and co-pilot, communication equipment management and integrating audio and intercom facilities ah all audio caution and warning messages.

AICON DHS 121 provides reliable and intelligible high quality audio communication for noisy military environments.

AICON DHS 121 can be easily configured to meet the complicated communication system needs for multi-users.

### Subassemblies

- Communication Systems Control Unit (HSKB) (User interface for adjustments and selections)
- Audio Distribution Unit (SDB) (Audio distribution for control panels)



Communication System Control Unit (HSKB)



Audio Distribution Unit (SDB)

### General Specifications

- Radio Receiver/Transmitter Channels Control
- Navigation Receiver Channels Control
- Controlled Direct Receiver Channels
- Uncontrolled Direct Receiver Channels
- Interphone Channels Management
- Voice Operated Transmit (VOX) Capability
- Sidetone Capability
- Remote Radio Transmit Selection Available for HOCAS Operation
- Radio Relay Functionality
- Voice Recorder Output
- Noise Reduction Capability

### Interfaces

- Analog Audio I/O Interfaces
- Discrete I/O Interfaces

### Physical Specifications

- Dimensions
  - HSKB : 67 mm (H) x 146 mm (W) x 150 mm (D)
  - SDB : 73 mm (H) x 158 mm (W) x 211 mm (D)
- Weight
  - HSKB : 1.25 kg
  - SDB : 1.20 kg

### Technical Specifications

- Power Input : 28 VDC (Nominal)
- Power Consumption
  - HSKB : 12W (Nominal) / 15W (Maximum)
  - SDB : 13.5W (Nominal) / 16.5W (Maximum)

### Environmental Conditions

- Operating Temperature and Altitude: -40°C / +71°C, 15.000 ft
- Storage Temperature: -55°C / +85°C

### Qualifications

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



Specifications are subject to change without any notice. | All tolerances are within  $\pm 10\%$ .