

Model 375

Audio Control Panel

2009 Data Sheet

COBHAM

The most important thing we build is trust

The Model 375 Audio Control Panel is a modern “plug-and-play” replacement for the AN/AIC-10/18/25 military intercom systems. The unit is form, fit and function compatible with its military predecessors.

The Model 375 provides greatly improved audio performance with no need to modify existing aircraft wiring, connectors or panels. It employs proven, up-to-date commercial off-the-shelf (COTS) technology and is TSO certified. Additional input/output circuits and configurable controls are provided, making the Model 375 ideal for special mission applications as well as for the replacement of aged OEM equipment.

The Model 375 is designed to replace the AIC audio panel and monitor panel with one unit. Each receiver channel includes lighted

volume controls for night operation. The transmit select and VOX control knobs are also lit, and NVIS (night vision imaging system) compatibility is available.

The Model 375 is supplied with AIC-10, AIC-18 or AIC-25 compatible connectors. The modern D38999 Series III can be furnished upon request. Surface mount technology allows increased integration for added features and reduced weight. For the pilot, the Model 375 supports up to 16 receivers, up to 10 transceivers, Normal Boom Mic, Oxygen Mask Microphone, Hand or Auxiliary ICS Microphone and up to 4 unswitched, unmuted auxiliary inputs.

Standard VOX switching or optional Dynamic VOX noise reduction is available to remove unwanted acoustic microphone noise from

entering the interphone system. VOX and Dynamic VOX are operator adjustable to allow the noise reduction circuit to be adjusted for changing noise conditions. Isolated signal ground for radio receivers eliminates problems with multiple audio grounds (ground loops), thereby increasing immunity to electrical noise pickup in the aircraft wiring.

The Model 375 includes a high output, low noise and low distortion headphone and speaker amplifier, has excellent input-to-input and input-to-output isolation, an FAA compliant Cockpit Voice Recorder (CVR) output with dynamic limiting for compatibility with solid state CVR's., plus an automatic power loss and operator selectable failsafe bypass mode.



Features:

- Directly compatible with AIC-10/AIC-18/AIC-25 systems
- Up to 16 receiver inputs
- Up to 10 transceivers supported
- 4 unswitched inputs
- Dynamic VOX noise reduction
- NVIS compatible lighting
- Isolated grounds for better noise immunity
- CVR output

Mechanical:

Height 3.74" Width 5.75"
Weight 3.0 lbs. (max.) Depth 5.48" excluding mating connectors

Compliance:

TSO-C50c
RTCA D0-214 and DO-160D
Env. Cat. [(A2)(F2)]-BAB[TU]XXXXXXZ[BZ]AZAUM[XXC2]XXA

Model 375 Audio Control Panel(s) are currently subject to US International Traffic in Arms Regulations (ITAR). They may not be exported, transferred, transshipped, or otherwise disposed of in any other country either in original form or after being incorporated into other articles without prior written approval of the US Department of State.

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