

AA21-400

Cabin PA/Siren Controller | Data Sheet

The AA21-400 Cabin PA Controller is designed to provide centralized control for an aircraft's internal and external PA systems.

Contained in one panel-mounted unit with an illuminated faceplate, the AA21-400 provides both low-level and high-level (speaker) outputs that are more than adequate to support most public address and cabin paging applications.

All audio and keylines are interfaced with existing aircraft audio systems. The AA21-400 can be configured to enable either the radio receive input or the CD input. Radio RX/CD audio or PA mic inputs are selectable on the front panel. Adjustable sidetone is provided for the mic input, and a PA output with adjustable level is available.

The AA21-400 generates wail and yelp siren audio on the low-level output, selectable on the front panel and activated by enabling the siren keyline. The integrated 25W speaker driver circuit is designed to drive an 8 Ohm speaker arrangement for internal paging. A '+3 dB' function allows the system's output level to be reduced by 3 dB by grounding the input control line. Removing the ground returns the system to full output.

The AA21-400 also provides a configurable audio output signal to drive the input on remote-mounted power amplifiers. It can be used in two different configurations: one designed to drive the PA110/PA220 series amplifiers and another designed to drive the PA250/PA700 series amplifiers.

Thermal protection is built into the intermediate and final stage amplifiers to protect the unit during very hot or extended high-power operating conditions.

With state-of-the-art design, better frequency response, and centralized control, the AA21-400 maximizes the performance and reliability of the aircraft's PA system.

The AA21-400 is available in standard configurations or customized panel layouts, with 5 VDC or 28 VDC standard white lighting, plus optional NVG-friendly/NVIS-compliant lighting.

The AA21-400 is TSO certified.

FEATURES

- Centralized PA control
- Illuminated faceplate
- Adjustable sidetone
- Selectable Wail & Yelp siren
- 25 watt internal speaker amp
- Adjustable output level
- Selectable INT/EXT operation

Mechanical

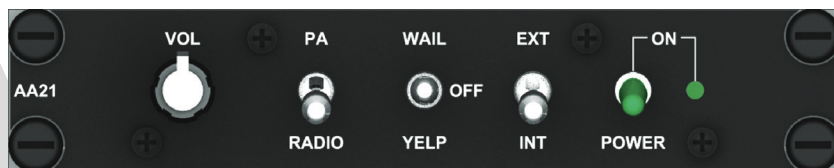
Height	1.12"
Width	5.75" front, 4.97" rear
Depth	6.33" excluding mating connectors
Weight	1.4 lbs. (max.)

Compliance

DO-160D Env. Cat. B4-BAB[(SBM)(UF)]XXXXXXZBABB[TTX]MXXXX

DO-170 Class II

TSO-C50c



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