CANYON
aeroconnect

N301A

Single-User Audio Controller

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PRODUCT FEATURES

The N301A provides upgraded performance in a plug-compatible replacement for the A301-6. Improvements include: removable legends, enhanced noise suppression, and fully-floating inputs to remove ground-loop or common-mode noise. Both high and low impedance headsets are supported and mic outputs can be individually adjusted for each transceiver.

The N301A can be utilized in new installations where single or multiple user networks (up to 10 stations) are required. User-controlled features of the N301A include: split RX and ICS volume controls, VOX squelch control, an additional RX input for the AUX TX position, and an extra Nav Aid position. Additional internal inputs have been added to improve airframe alerting capability. Each panel is self-contained, with solid state modular plug-in construction, sealed switching devices for low noise, and gold switch/relay contacts for longer lifespan. Other features of the N301A include: CVR output, TX annunciator light, emergency mode switch, and a second connector to permit supplemental inputs with two additional ICS busses to support more complex ICS networks. A VOX circuit and a front panel control on the N301A series provides the convenience of a voice activated intercom.

The N301A 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.

Technical Specifications

Features

- Replacement for A301-6
- Removable legends
- 2 ICS Tie Lines (NAT, Andrea)
- Dual ICS bus
- Custom configuration
- Backlit colors
- Supports high/low impedance headsets
- Up to 6 TX selections
- 4 direct inputs
- 3 ICS modes LIVE/KEYED/VOX
- CVR output

Electrical

Headset:	105/600 Ω /250 MW or 8 Ω /250 MW min.
Lighting:	160 mA/28 Vdc, 600 mA/5 Vdc
Power:	22-32 Vdc @ 0.17 A, maximum

Environmental

Altitude:	25,000 ft

Mechanical

Height:	2.63"
Width:	5.25" front, 5" rear
Length:	3.7"
Weight:	1.75 lb.

Compliance

DO-160C Env. Cat. B4-BA[MNY] XXXXXXABABAZAXXX DO-170 Class 1b

TSO-C50c