



AH500 SPECIFICATIONS

PROGRAMMABLE VOICE AND LEGEND ANNUNCIATOR



The AH500 combines flight, engine and aircraft configuration data to generate voice and visual alerts. The unit is programmed to warn off against switched, analogue and EFIS data inputs based on the switched state, value threshold or combinations of inputs to generate envelope alarms. Envelope alerts could include oil pressure profiles, speed/ configuration envelopes, gear not down and oxygen alerts. Data is gathered from directly connected switches and analogue inputs as well as being able to take flight and engine data from Electronic Flight Information Systems (EFIS) and Engine Monitors when available via serial buses. Alerts are mapped to custom voice and/or sunlight readable and auto dimming captions with integration to a remote Master Caution, Master Warning and alert acknowledgement switch.

Inputs

4 Analogue: 0-32V DC
 10 Switched: Volt free input
 1 Acknowledge: Switched (Volt free) input
 Press to test: Internal

Warning: 3 x Aviation Red (as std)
 Caution: 13 x Aviation Yellow (as std)
 Window: Non-reflective
 Anti-scratch hard coating

Data interfaces

2 x RS232: RX/TX
 (+/- 5V)
 EIA/TIA-232

Power supply

Supply: 10 to 32V DC
 Over-voltage protection
 Reverse voltage protection
 Current: 35mA @ 13.8V standby
 50mA per illuminated legend

Outputs

Master Warning: 50mA Constant Current Sink
 PWM Auto dimming
 Master Caution: 50mA Constant Current Sink
 PWM Sink
 VLED: 10V

Physical Specifications

Mounting: Front mounted
 Construction: machined 6082 Alloy
 Dimensions: 6 1/4" wide (158.8mm)
 1 3/4" high (43.7mm)
 1 1/2" deep (35.8mm)
 Weight: 6.5oz (180g)

Audio

Audio clips: Max 64 Voice clips
 Hi/Lo output
 Impedance: 460-ohm
 RMS Max: 1VAC

Environmental

Temperature: -20°C to +55°C Operating
 (-4°F to 131°F)
 -20°C to +70°C Storage
 (-4°F to 158°F)
 Humidity: <85% non-condensing
 Vibration: 10-2000Hz (20g)

Logic

Max 256 logical arguments

Optics

Illumination: 163-step auto dimming
 Double redundant LED
 Direct sunlight readable
 Hidden until lit
 High contrast

Compatible accessories

AH501 Master Caution/ Warning (not included)
 AH504 I/O Expansion unit (not included)

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Specifications are subject to change without notice.

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