



AH502sd SPECIFICATIONS

PROGRAMMABLE VOICE AND LEGEND ANNUNCIATOR



The AH502sd 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. The front mounted SD card allows for easy adjustment of programming and voice files.

Inputs

2 Analogue: 0-32V DC
8 Switched: Volt free input
1 Acknowledge: Switched (Volt free) input
Press to test: Internal
Micro SD: Front mounted card reader
Changing alert logic, audio files and firmware

Warning: High contrast
2 x Aviation Red (as std)
Caution: 6 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: Rear mounted
Construction: machined 6082 Alloy
Dimensions: 10.82" wide (275mm)
0.67" high (17mm)
1.34" deep (34mm)
Weight: 8oz (230g)

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

Compatible accessories

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

Optics

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

Specifications are subject to change without notice.

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