AH500 Customer Order Form

Customer information

Contact name	
Contact phone	
Contact email	
Aircraft type	
EFIS (if installed)	
EIS (if installed)	
Audio panel	

Annunciators

Part Number	Description	Qty
500-000-01	AH500 16 legend CWP with single RS232 support	
500-000-03	AH500 16 legend CWP with dual RS232 support*	
501-000-01	AH501 Master Caution/ Warning	
504-000-01	AH504 I/O expansion unit	

Accessories

Part Number	Description	Qty
500-000-02	AH500 Installation Kit	
504-000-02	AH504 Installation Kit	
300-015-01	2-Way Opto Relay	
300-016-01	4-Way Opto Relay	
200-2003	218°C Digital Heat Detection Cable (meters)	
241-0003	PT100 Transmitter -25°C to +85°C	
241-0004	PT100 Probe 2.5m	

* Required if an AH504 I/O expansion device is needed.

Customisation Information

Legend Text

- A set of engraved legends can be supplied at no charge if the Legend Text information in this document is completed.

Voice Alerts

- 16 Voice alerts for the AH500 can be supplied at no charge if the Voice alert information in this document is completed.

- The AH500 can typically support up to 32 custom voice alerts in combination with complex logic installations – see voice alerts section for more details.

Data interface integration

- Support for EFIS and EIS systems may be configured at no charge at time of build if the interfacing device is supported. Please provide the EFIS or EIS type in the customer information section above.

Alert logic

- Simple, single parameter alert logic can be supplied at no charge if the alert logic information in this document is completed.

- Complex, multi-parameter and intelligent alert logic can be programmed but requires a more detailed discussion and may attract a charge.

AH500 Legend text

- Standard build includes 3 Red Warning legends and 13 Amber Caution legends*

- Legend text is referenced A1 to D4

- Standard text is Gill Sans MT Regular 9pt.

    o   Width 21mm = typically 11 characters

    o   For single row text –complete Row 1

    ABCDEFGHIKL

    o   For single row text –complete Rows 1 and 2

    ABCDEFGHIKL
    ABCDEFGHIKL

- Large text is Gill Sans MT Regular 16pt.

    o   Width 21mm = typically 6 characters, 1 row only

    ABCDEF

Legend	Row	Colour	Font size	Text (Limit is approximately 11 Chrs/row)
Example	Row 1	Red	9pt	HIGH
	Row 2			OIL PRESSURE

A1	Row 1	Red		_ _ _ _ _ _ _ _ _
	Row 2	Red		_ _ _ _ _ _ _ _ _
A2	Row 1	Red		_ _ _ _ _ _ _ _ _
	Row 2	Red		_ _ _ _ _ _ _ _ _
A3	Row 1	Red		_ _ _ _ _ _ _ _ _
	Row 2	Red		_ _ _ _ _ _ _ _ _
A4	Row 1	Amber		_ _ _ _ _ _ _ _ _
	Row 2	Amber		_ _ _ _ _ _ _ _ _
B1	Row 1	Amber		_ _ _ _ _ _ _ _ _
	Row 2	Amber		_ _ _ _ _ _ _ _ _
B2	Row 1	Amber		_ _ _ _ _ _ _ _ _
	Row 2	Amber		_ _ _ _ _ _ _ _ _
B3	Row 1	Amber		_ _ _ _ _ _ _ _ _
	Row 2	Amber		_ _ _ _ _ _ _ _ _
B4	Row 1	Amber		_ _ _ _ _ _ _ _ _
	Row 2	Amber		_ _ _ _ _ _ _ _ _
C1	Row 1	Amber		_ _ _ _ _ _ _ _ _
	Row 2	Amber		_ _ _ _ _ _ _ _ _
C2	Row 1	Amber		_ _ _ _ _ _ _ _ _
	Row 2	Amber		_ _ _ _ _ _ _ _ _
C3	Row 1	Amber		_ _ _ _ _ _ _ _ _
	Row 2	Amber		_ _ _ _ _ _ _ _ _
C4	Row 1	Amber		_ _ _ _ _ _ _ _ _
	Row 2	Amber		_ _ _ _ _ _ _ _ _
D1	Row 1	Amber		_ _ _ _ _ _ _ _ _
	Row 2	Amber		_ _ _ _ _ _ _ _ _
D2	Row 1	Amber		_ _ _ _ _ _ _ _ _

	Row 2	Amber		— — — — — — — — — —
D3	Row 1	Amber		— — — — — — — — — —
	Row 2	Amber		— — — — — — — — — —
D4	Row 1	Amber		— — — — — — — — — —
	Row 2	Amber		— — — — — — — — — —

AH500 Voice Alerts

- 16 Voice alerts for the AH500 can be supplied at no charge if the Voice alert information in this document is completed.

- Voice is American English Female as standard – other languages and voices are available by special request.

- In simple implementations, a single Voice alert is mapped directly to a single legend.

- Complex implementations can have multiple and different voice alerts mapped to a single legend as well as voice alerts which don't have an associated legend. For these 'complex' implementations, please contact sales@aerosafetysystems.com to discuss your requirements.

AH500 – Complete for SIMPLE voice alert implementations only

Legend Ref.	Voice txt
Example A1	"High Oil Pressure"
A1	
A2	
A3	
A4	
B1	
B2	
B3	
B4	
A1	
A2	
A3	
A4	
B1	

B2	
B3	
B4	

Alert Logic

The AH500 incorporates a sophisticated proprietary alert logic programming environment which can enable complex and intelligent voice and indicator alerts to be generated using a combination of inputs from switches, sensors and EFIS/ EIS data feeds.

Basic alert logic can be captured on the table below.

For complex alert logic implementations, please contact sales@aerosafetysystems.com to discuss the requirements.

The AH504 I/O expansion unit can be used to increase the number of Digital and Analogue inputs supported by the Annunciator.

The AH500 can be specified with 1 or 2 RS232 interfaces depending on whether an AH504 I/O expansion is needed in addition to an EFIS. Note that 2 digital inputs are sacrificed if the second RS232 interface is specified.

Please see the installation drawings for the AH500 and AH504 for details and references of available I/O (available on www.aerosafetysystems.com)

AH500 Basic alert logic

LEGEND	VOICE	INPUT	STATE	DELAY	Warning/Caution
Example: A1	LOW OIL PRESSURE	AH500 D0	LOW	10sec	Warning
Example: A4	Check Oxygen	Garmin G3X, Altitude	> 10000	20sec	Caution
Example: B2	Low Volts	AH500 A0	< 12.5V	5sec	Caution
Example: C3	Check Doors	AH500 D1	High	0sec	Caution
A1					Warning
A2					Warning
A3					Warning
A4					Caution
B1					Caution
B2					Caution
B3					Caution
B4					Caution
C1					Caution
C2					Caution
C3					Caution
C4					Caution
D1					Caution
D2					Caution

| D3 | | | | | Caution |
| D4 | | | | | Caution |

Complex alert logic

Complex alert logic can create multiple levels of Boolean logic which can combine data sources to generate intelligent profile and envelope alerts. Please contact sales@aerosafetysystems.com to discuss complex alert logic implementations.