

# Kitemark™ Certificate

This is to certify that:

Haes Technologies Limited  
Unit 3  
Horton Industrial Park  
West Drayton  
UB7 8JD  
United Kingdom

Holds Certificate Number:

KM 663489

In respect of:

**BS EN 54-2, BS EN 54-4 & BS EN 12094-1  
Control and Indicating Equipment and Power Supply Equipment, Electrical Automatic Control and  
Delay Devices for Gas Extinguishing Systems**

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:

Frank Lee, Product Certification Technical and Compliance Director

First Issued: 2020-01-08

Effective Date: 2022-08-10

Latest Issue: 2022-08-10

Expiry Date: 2025-08-09

Page: 1 of 5



...making excellence a habit.™

# Kitemark™ Certificate

No. KM 663489

**BS EN 12094-1:2003 - Fixed firefighting systems: Components for gas extinguishing systems**  
**BS EN 54 Part 2:1997 + A1:2006 - Fire detection and fire alarm systems: Control and indicating Equipment and BS EN 54 Part 4:1998 + A1:2002 + A2:2006 - Fire detection and fire alarm systems: Power supply equipment**

## Model Reference      Type

ESG-1001	ESPRiT Single Flood Zone - 1.2 Amp PSU- with 3 fire detection zones.
ESG-1002	ESPRiT Single Flood Zone - 3.4 Amp PSU- with 3 fire detection zones.
ESG-1003	ESPRiT Dual Flood Zones - 3.4 Amp PSU- with 6 fire detection zones.

Incorporating the following units:

TPCA017	Display PCB
TPCA018	Gas card PCB
TPCA019	PSU PCB
TPCA020	Led extender PCB
TPCA021	Mini RSU PCB
TPCA022	Display RSU PCB
TPCA023	RSU term PCB

Certified for use with Apollo and Hochiki conventional fire detection and alarm devices.

Also suitable for use with:

ESG-2001	Display RSU (Graphic remote status unit)
ESG-2002	Mini RSU (Remote status unit)
ESG-2006	Hold button (Button for remote extinguishant Hold off)
ESG-2007	Abort button (Button for remote extinguishant Abort)

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Page: 2 of 5

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BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.  
A member of BSI Group of Companies.

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## Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2:1997:

Clause	Description
7.8	Output to fire alarm devices
7.9.1	Output to fire alarm routing equipment
7.11	Delays to outputs
7.13	Alarm counter
8.9	Output to fault warning routing equipment
10	Test condition

Certified with the following options with requirements from BS EN 12094 Part 1:2003:

Clause	Description
4.17	Delay of extinguishing signal
4.18	Signal representing the flow of extinguishing agent
4.19	Monitoring of the status of components
4.20	Emergency hold device
4.21	Control of flooding time
4.23	Manual only mode
4.26	Triggering of equipment outside the system
4.27	Emergency abort device
4.30	Activation of alarm devices with different signals

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Page: 3 of 5

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**BS EN 54 Part 2:1997 + A1:2006 - Fire detection and fire alarm systems: Control and indicating Equipment and BS EN 54 Part 4:1998 + A1:2002 + A2:2006 - Fire detection and fire alarm systems: Power supply equipment**

<b>Model Reference</b>	<b>Type</b>
ESA-1001	1 to 2 Loop Argus ESPRiT Addressable Panel - 1.2Amp PSE in Small Housing
ESA-1002	1 to 4 Loop Argus ESPRiT Addressable Panel - 3.4Amp PSE in Large Housing

Incorporating the following units:

ESA- 3000                      Argus addressable loop card

Certified for use with Argus protocol fire detection and alarm devices.

## Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2:1997:

<b>Clause</b>	<b>Description</b>
7.8	Output to fire alarm devices
7.9.1	Output to fire alarm routing equipment
7.11	Delays to outputs
7.12.1	Dependencies (Type A)
7.12.2	Dependencies (Type B)
7.12.3	Dependencies (Type C)
7.13	Alarm counter
8.3	Faults from points
9.5	Disablement of addressable points
10	Test condition

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Page: 4 of 5

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<b>Model Reference</b>	<b>Type</b>
ESA-1006	1 to 2 Loop Apollo ESPRiT Addressable Panel – 3.4Amp PSE in Small Housing
ESA-1007	1 to 4 Loop Apollo ESPRiT Addressable Panel - 3.4Amp PSE in Large Housing

Incorporating the following units:

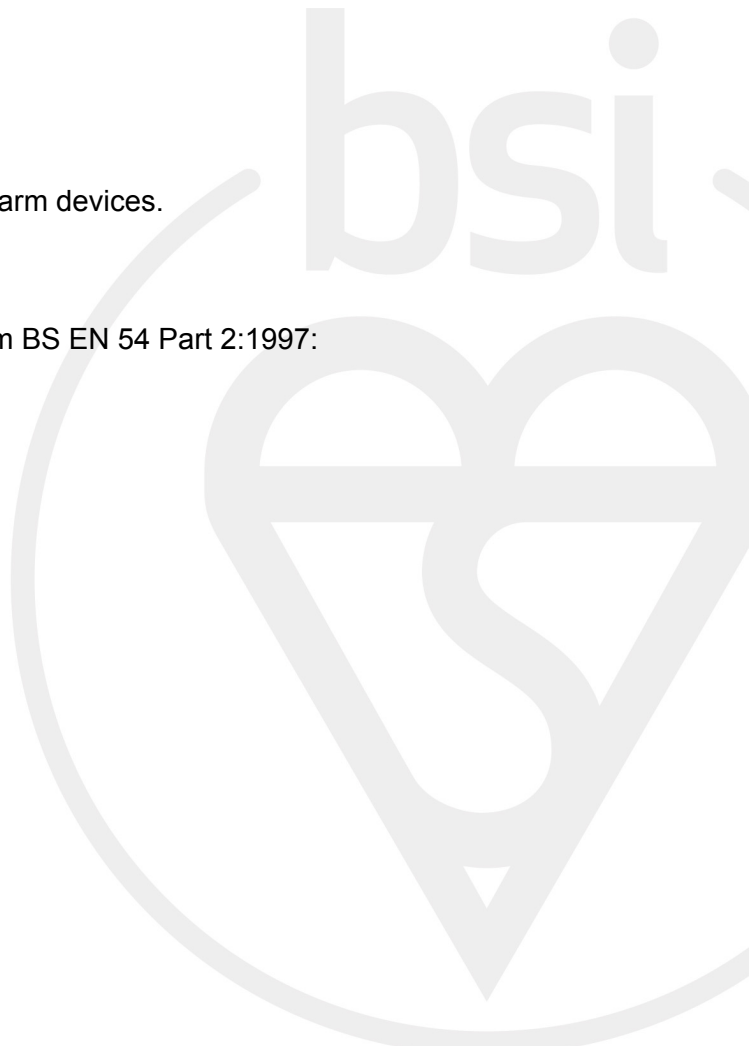
ESA- 3006                  Apollo addressable loop card

Certified for use with Apollo protocol fire detection and alarm devices.

## Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2:1997:

<b>Clause</b>	<b>Description</b>
7.8	Output to fire alarm devices
7.9.1	Output to fire alarm routing equipment
7.11	Delays to outputs
7.12.1	Dependencies (Type A)
7.12.2	Dependencies (Type B)
7.12.3	Dependencies (Type C)
7.13	Alarm counter
8.3	Faults from points
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