



# Kitemark<sup>®</sup> Licence

**No. KM 73505**

*The British Standards Institution hereby grants to:*

**Kentec Electronics Limited  
Unit 25-27 Dartford Trade Park  
Fawkes Avenue  
Questor  
Dartford  
DA1 1JQ  
United Kingdom**

*In respect of:*

**BS EN 54-2 & BS EN 54-4  
Fire Panel & Power Supplies**

*This issues the right and licence to use the Kitemark in accordance with the Kitemark Licence Conditions of Contract governing the use of the Kitemark, as may be updated from time to time by The British Standards Institution, and as approved by the Registrar under the Trade Marks Act 1994 (the "Conditions"). All defined terms in this Licence 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 Licence provided at or from the above address.*

*For and on behalf of The British Standards Institution:*

*David W. Ford, Executive Director, Healthcare & Testing Services*

First Issued: **5/08/2003**

Latest Issue: **29/09/2010**



*raising standards worldwide™*

Page 1 of 6



This Licence remains the property of The British Standards Institution and shall be returned immediately upon request. To check its validity telephone +44 (0)8450 765600.

The British Standards Institution, Kitemark House, Maylands Avenue, Hemel Hempstead, Hertfordshire, HP2 4SQ, United Kingdom. Tel:+44 (0)8450 765600 Web: [www.bsigroup.com/certification](http://www.bsigroup.com/certification). The British Standards Institution Headquarters: 389 Chiswick High Road, London, W4 4AL. Tel:+44 (0)20 8996 9001. The British Standards Institution is incorporated by Royal Charter.



# Kitemark<sup>®</sup> Licence

**No. KM 73505**

**BS EN 54-2: 1997 + A1 + AC and BS EN 54-4: 1998 + A1 & A2**

<b>Model</b>	<b>Type</b>
K11020M2	Sigma CP 2 Zone Conventional Control and Indicating Equipment
K11040M2	Sigma CP 4 Zone Conventional Control and Indicating Equipment
K11080M2	Sigma CP 8 Zone Conventional Control and Indicating Equipment
T11020M2	Sigma CP 2 Zone Conventional 2 Wire Control and Indicating Equipment
T11040M2	Sigma CP 4 Zone Conventional 2 Wire Control and Indicating Equipment
T11080M2	Sigma CP 8 Zone Conventional 2 Wire Control and Indicating Equipment

Certified for use with Apollo series 30, 60 & 65, Apollo Sav-Wire, Fulleon, Hochiki, HochikiSav-Wire, Nittan, Notifier and MorleyIAS ECO1000, KAC fire detection and alarm devices and MTL778ac and MTL5061 intrinsically safe barriers. Also, certified as suitable for use with the Sigma CP-R repeater and ancillary board.

## **Options with requirements**

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

Output to fire alarm devices (clause 7.8)  
Delays to outputs (clause 7.11)  
Test condition (clause 10)

First Issued: **5/08/2003**

Latest Issue: **29/09/2010**

Page 2 of 6

*raising standards worldwide*<sup>™</sup>



This Licence remains the property of The British Standards Institution and shall be returned immediately upon request. To check its validity telephone +44 (0)8450 765600.

The British Standards Institution, Kitemark House, Maylands Avenue, Hemel Hempstead, Hertfordshire, HP2 4SQ, United Kingdom. Tel:+44 (0)8450 765600 Web: [www.bsigroup.com/certification](http://www.bsigroup.com/certification). The British Standards Institution Headquarters: 389 Chiswick High Road, London, W4 4AL. Tel:+44 (0)20 8996 9001. The British Standards Institution is incorporated by Royal Charter.



# Kitemark<sup>®</sup> Licence

**No. KM 73505**

**BS EN 54-2: 1997 + A1 + AC and BS EN 54-4: 1998 + A1 & A2**

<b>Model</b>	<b>Type</b>
Syncro	2 Loop Analogue Addressable Control and Indicating Equipment
Syncro	2 Loop 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro	2 Loop 48 Zone Analogue Addressable Control and Indicating Equipment
Syncro	2 Loop 96 Zone Analogue Addressable Control and Indicating Equipment
Syncro	4 Loop Analogue Addressable Control and Indicating Equipment
Syncro	4 Loop 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro	4 Loop 48 Zone Analogue Addressable Control and Indicating Equipment
Syncro	4 Loop 96 Zone Analogue Addressable Control and Indicating Equipment

Certified for use with Apollo xplorer, XP95, Discovery, Hochiki ESP and Argus Vega fire detection and alarm devices and in both Flush and Surface mountable enclosure types.

The Syncro range of CIE are certified with an integral S232SYN printer, enable key switch and integral or external PSE.

**Certified for use with the following optional boards:**

S545	4 Way Zone Card
S546	6 Way Sounder Card
S547	8 Way Relay Card
S555	Network Card
S560	16 Channel I/O Card

First Issued: **5/08/2003**

Latest Issue: **29/09/2010**

Page 3 of 6

*raising standards worldwide*<sup>™</sup>



This Licence remains the property of The British Standards Institution and shall be returned immediately upon request. To check its validity telephone +44 (0)8450 765600.

The British Standards Institution, Kitemark House, Maylands Avenue, Hemel Hempstead, Hertfordshire, HP2 4SQ, United Kingdom. Tel:+44 (0)8450 765600 Web: [www.bsigroup.com/certification](http://www.bsigroup.com/certification). The British Standards Institution Headquarters: 389 Chiswick High Road, London, W4 4AL. Tel:+44 (0)20 8996 9001. The British Standards Institution is incorporated by Royal Charter.



# Kitemark<sup>®</sup> Licence

**No. KM 73505**

## **Options with requirements**

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

- Output to fire alarm devices (clause 7.8)
- Output to fire alarm routing equipment (clause 7.9.1)
- Output type A (clause 7.10.1)
- Delays to outputs (clause 7.11)
- Type C dependency (clause 7.12.3)
- Fault signals from points (clause 8.3)
- Disabling of addressable points (clause 9.5)
- Test condition (clause 10)

First Issued: **5/08/2003**

Latest Issue: **29/09/2010**

Page 4 of 6

*raising standards worldwide*<sup>™</sup>



This Licence remains the property of The British Standards Institution and shall be returned immediately upon request. To check its validity telephone +44 (0)8450 765600.

The British Standards Institution, Kitemark House, Maylands Avenue, Hemel Hempstead, Hertfordshire, HP2 4SQ, United Kingdom. Tel:+44 (0)8450 765600 Web: [www.bsigroup.com/certification](http://www.bsigroup.com/certification). The British Standards Institution Headquarters: 389 Chiswick High Road, London, W4 4AL. Tel:+44 (0)20 8996 9001. The British Standards Institution is incorporated by Royal Charter.



# Kitemark<sup>®</sup> Licence

**No. KM 73505**

**BS EN 54-2: 1997 + A1 + AC and BS EN 54-4: 1998 + A1 & A2**

<b>Model</b>	<b>Type</b>
Syncro AS	1 Loop, 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro AS Lite	1 Loop, 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro AS Marine	1 Loop, 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro AS	2 Loop, 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro AS Marine	2 Loop, 16 Zone Analogue Addressable Control and Indicating Equipment

Certified for use with Apollo xplorer, XP95, Discovery, Hochiki ESP and Hochiki America and Argus Vega fire detection and alarm devices and in both Flush and Surface mountable enclosure types.

## **Options with requirements**

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

Output to fire alarm devices (clause 7.8)  
Delays to outputs (clause 7.11)  
Type C dependency (clause 7.12.3)  
Fault signals from points (clause 8.3)  
Disabling of addressable points (clause 9.5)  
Test condition (clause 10)

Certified for use with the following optional boards:

S545 4 Way Zone Card  
S546 6 Way Sounder Card  
S547 8 Way Relay Card  
S555 Network Card  
S560 16 Channel I/O Card



# Kitemark<sup>®</sup> Licence

## No. KM 73505

### BS EN 54 Part 4: 1998

Model	Type
ENK15400 01	4 Amp Standalone Switch Mode Power Supply Equipment incorporating ENS400 chassis PSE

### BS EN 54 Part 4: 1998 + A1 & A2

Model	Type
K2540003	4A Standalone Power Supply Equipment suitable for use with up to 12Ah batteries without dual power output board
K25400M3	4A Standalone Power Supply Equipment suitable for use with up to 17.2Ah batteries without dual power output board
K2540015	4A Standalone Power Supply Equipment suitable for use with up to 26Ah batteries without dual power output board
K25250M2	2.5A Standalone Power Supply Equipment suitable for use with up to 7Ah batteries without dual power output board
K2525003	2.5A Standalone Power Supply Equipment suitable for use with up to 12Ah batteries without dual power output board
K25250M3	2.5A Standalone Power Supply Equipment suitable for use with up to 17.2Ah batteries without dual power output board
KD2540003	4A Standalone Power Supply Equipment suitable for use with up to 12Ah batteries with dual power output board
KD25400M3	4A Standalone Power Supply Equipment suitable for use with up to 17.2Ah batteries with dual power output board
KD2540015	4A Standalone Power Supply Equipment suitable for use with up to 26Ah batteries with dual power output board
KD25250M2	2.5A Standalone Power Supply Equipment suitable for use with up to 7Ah batteries with dual power output board
KD2525003	2.5A Standalone Power Supply Equipment suitable for use with up to 12Ah batteries with dual power output board
KD25250M3	2.5A Standalone Power Supply Equipment suitable for use with up to 17.2Ah batteries with dual power output board

**Note:** This series of power supply equipment operate from a mains input of 230V AC or 110V AC link selectable.

First Issued: **5/08/2003**

Latest Issue: **29/09/2010**

Page 6 of 6

*raising standards worldwide*<sup>™</sup>



This Licence remains the property of The British Standards Institution and shall be returned immediately upon request. To check its validity telephone +44 (0)8450 765600.

The British Standards Institution, Kitemark House, Maylands Avenue, Hemel Hempstead, Hertfordshire, HP2 4SQ, United Kingdom. Tel:+44 (0)8450 765600 Web: [www.bsigroup.com/certification](http://www.bsigroup.com/certification). The British Standards Institution Headquarters: 389 Chiswick High Road, London, W4 4AL. Tel:+44 (0)20 8996 9001. The British Standards Institution is incorporated by Royal Charter.

# Certificate

## EC-Certificate of Conformity

Certificate No. 0086-CPD-553773



In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (Construction Products Directive – CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

### Power Supply Equipment

as detailed on the Supplementary Information Sheet

placed on the market by

#### Kentec Electronics Limited

Units 25-27 Fawkes Avenue, Questor, Dartford, DA1 1JQ

and produced in the factory

#### Kentec Electronics Limited

Units 25-27 Fawkes Avenue, Questor, Dartford, DA1 1JQ

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body BSI has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the Standard

### EN 54-4:1998 + A1 & A2

were applied and that the product fulfils the prescribed requirements.

For and on behalf of the British Standards Institution, a Notified Body for the above Directive.  
Notified Body Number 0086.

David W. Ford, Executive Director, Healthcare and Testing Services

First Issued: 30 July 2010

Date: 29 September 2010

Page 1 of 2

This certificate remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the factory product control itself are not modified significantly.

*raising standards worldwide*<sup>TM</sup>

The British Standards Institution is incorporated by Royal Charter.



# Certificate

## SUPPLEMENTARY INFORMATION SHEET

Certificate No. 0086-CPD-553773

Kentec Electronics Limited

### Product Information

Model Reference	Type
K2540003	4A Standalone Power Supply Equipment suitable for use with up to 12Ah batteries without dual power output board
K25400M3	4A Standalone Power Supply Equipment suitable for use with up to 17.2Ah batteries without dual power output board
K2540015	4A Standalone Power Supply Equipment suitable for use with up to 26Ah batteries without dual power output board
K25250M2	2.5A Standalone Power Supply Equipment suitable for use with up to 7Ah batteries without dual power output board
K2525003	2.5A Standalone Power Supply Equipment suitable for use with up to 12Ah batteries without dual power output board
K25250M3	2.5A Standalone Power Supply Equipment suitable for use with up to 17.2Ah batteries without dual power output board
KD2540003	4A Standalone Power Supply Equipment suitable for use with up to 12Ah batteries with dual power output board
KD25400M3	4A Standalone Power Supply Equipment suitable for use with up to 17.2Ah batteries with dual power output board
KD2540015	4A Standalone Power Supply Equipment suitable for use with up to 26Ah batteries with dual power output board
KD25250M2	2.5A Standalone Power Supply Equipment suitable for use with up to 7Ah batteries with dual power output board
KD2525003	2.5A Standalone Power Supply Equipment suitable for use with up to 12Ah batteries with dual power output board
KD25250M3	2.5A Standalone Power Supply Equipment suitable for use with up to 17.2Ah batteries with dual power output board

Note: This series of power supply equipment operate from a mains input of 230V AC or 110V AC link selectable.

First Issued: 30 July 2010

Date: 29 September 2010

Page 2 of 2

*raising standards worldwide™*





## EC-Certificate of Conformity

Certificate No. 0086-CPD-552614



In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (Construction Products Directive – CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

### Control and Indicating Equipment and Power Supply Equipment

as detailed on the Supplementary Information Sheet

placed on the market by

#### Kentec Electronics Limited

Units 25-27 Fawkes Avenue, Questor, Dartford, DA1 1JQ

and produced in the factory

#### Kentec Electronics Limited

Units 25-27 Fawkes Avenue, Questor, Dartford, DA1 1JQ

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body BSI has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the Standard

### EN 54-2:1997 + A1 + AC and EN 54-4:1998 + A1 & A2

were applied and that the product fulfils the prescribed requirements.

For and on behalf of the British Standards Institution, a Notified Body for the above Directive.  
Notified Body Number 0086.

David W. Ford, Executive Director, Healthcare and Testing Services

First Issued: 05 November 2009

Date: 02 September 2010

Page 1 of 4

This certificate remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the factory product control itself are not modified significantly.

*raising standards worldwide*<sup>TM</sup>

The British Standards Institution is incorporated by Royal Charter.



# Certificate

## SUPPLEMENTARY INFORMATION SHEET

Certificate No. 0086-CPD-552614

Kentec Electronics Limited

### Product Information

Model Reference	Type
K11020M2	Sigma CP 2 Zone Conventional Control and Indicating Equipment
K11040M2	Sigma CP 4 Zone Conventional Control and Indicating Equipment
K11080M2	Sigma CP 8 Zone Conventional Control and Indicating Equipment
T11020M2	Sigma CP 2 Zone Conventional 2 Wire Control and Indicating Equipment
T11040M2	Sigma CP 4 Zone Conventional 2 Wire Control and Indicating Equipment
T11080M2	Sigma CP 8 Zone Conventional 2 Wire Control and Indicating Equipment

Certified for use with Apollo series 30, 60 & 65, Apollo Sav-Wire, Fulleon, Hochiki, Hochiki Sav-Wire, Nittan, Notifier and MorleyIAS ECO1000, KAC fire detection and alarm devices and MTL778ac and MTL5061 intrinsically safe barriers. Also, certified as suitable for use with the Sigma CP-R repeater and ancillary board.

### Options with requirements

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

Output to fire alarm devices (clause 7.8)

Delays to outputs (clause 7.11)

Test condition (clause 10)

First Issued: 05 November 2009

Date: 02 September 2010

*raising standards worldwide*<sup>™</sup>

Page 2 of 4



# Certificate

## SUPPLEMENTARY INFORMATION SHEET

Certificate No. 0086-CPD-552614

Kentec Electronics Limited

### Product Information

Model Reference	Type
Syncro	2 Loop Analogue Addressable Control and Indicating Equipment
Syncro	2 Loop 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro	2 Loop 48 Zone Analogue Addressable Control and Indicating Equipment
Syncro	2 Loop 96 Zone Analogue Addressable Control and Indicating Equipment
Syncro	4 Loop Analogue Addressable Control and Indicating Equipment
Syncro	4 Loop 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro	4 Loop 48 Zone Analogue Addressable Control and Indicating Equipment
Syncro	4 Loop 96 Zone Analogue Addressable Control and Indicating Equipment

Certified for use with Apollo xplorer, XP95, Discovery, Hochiki ESP and Argus Vega fire detection and alarm devices and in both Flush and Surface mountable enclosure types.

The Syncro range of CIE are certified with an integral S232SYN printer, enable key switch and integral or external PSE.

Certified for use with the following optional boards:

S545	4 Way Zone Card
S546	6 Way Sounder Card
S547	8 Way Relay Card
S555	Network Card
S560	16 Channel I/O Card

### Options with requirements

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

- Output to fire alarm devices (clause 7.8)
- Output to fire alarm routing equipment (clause 7.9.1)
- Output type A (clause 7.10.1)
- Delays to outputs (clause 7.11)
- Type C dependency (clause 7.12.3)
- Fault signals from points (clause 8.3)
- Disabling of addressable points (clause 9.5)
- Test condition (clause 10)

First Issued: 05 November 2009

Date: 02 September 2010

*raising standards worldwide*<sup>™</sup>

Page 3 of 4



# Certificate

## SUPPLEMENTARY INFORMATION SHEET

Certificate No. 0086-CPD-552614

Kentec Electronics Limited

### Product Information

Model Reference	Type
Syncro AS	1 Loop, 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro AS Lite	1 Loop, 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro AS Marine	1 Loop, 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro AS	2 Loop, 16 Zone Analogue Addressable Control and Indicating Equipment
Syncro AS Marine	2 Loop, 16 Zone Analogue Addressable Control and Indicating Equipment

Certified for use with Apollo xplorer, XP95, Discovery, Hochiki ESP and Hochiki America and Argus Vega fire detection and alarm devices and in both Flush and Surface mountable enclosure types.

### Options with requirements

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

Output to fire alarm devices (clause 7.8)  
Delays to outputs (clause 7.11)  
Type C dependency (clause 7.12.3)  
Fault signals from points (clause 8.3)  
Disabling of addressable points (clause 9.5)  
Test condition (clause 10)

Certified for use with the following optional boards:

S545 4 Way Zone Card  
S546 6 Way Sounder Card  
S547 8 Way Relay Card  
S555 Network Card  
S560 16 Channel I/O Card

First Issued: 05 November 2009

Date: 02 September 2010

*raising standards worldwide*™

Page 4 of 4

