

# Certificate of Constancy of Performance

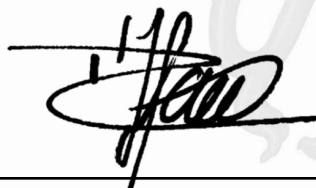
This is to certify that: Kentec Electronics Limited  
Unit 25-26  
Fawkes Avenue Questor  
Dartford  
DA1 1JQ  
United Kingdom

Holds Certificate Number: 2797 CPR 552614

In respect of:

## EN 54-2 and EN 54-4 Control and Indication Equipment and Power Supply Equipment

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the above construction product. This certificate attests that all the provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the above standard(s) under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product(s). This certificate was first issued on the date below and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.



For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):  
Previous Notified Body: BSI 0086  
First Issued: 2009-09-05

\_\_\_\_\_  
Drs. Dave Hagenaaers, Managing Director

Latest Issue: 2020-03-13

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# Certificate of Constancy of Performance

No. 2797 CPR 552614

## Manufacturing Plant

## Kentec Electronics Limited

Units 25-27 Fawkes Avenue  
Questor  
Dartford  
DA1 1JQ

## Product Information

**EN 54-2:1997+A1:2006+AC:1999 and EN 54-4:1997+A1:2002+A2:2006+AC:1999  
Control and Indication Equipment and Power Supply Equipment**

## 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 MTL7778ac and MTL5561 intrinsically safe barriers. Also, certified as suitable for use with the Sigma CP-R repeater and ancillary board.

The Sigma CP is certified when fitted with Swedish Keyswitch.

## Options with requirements

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

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

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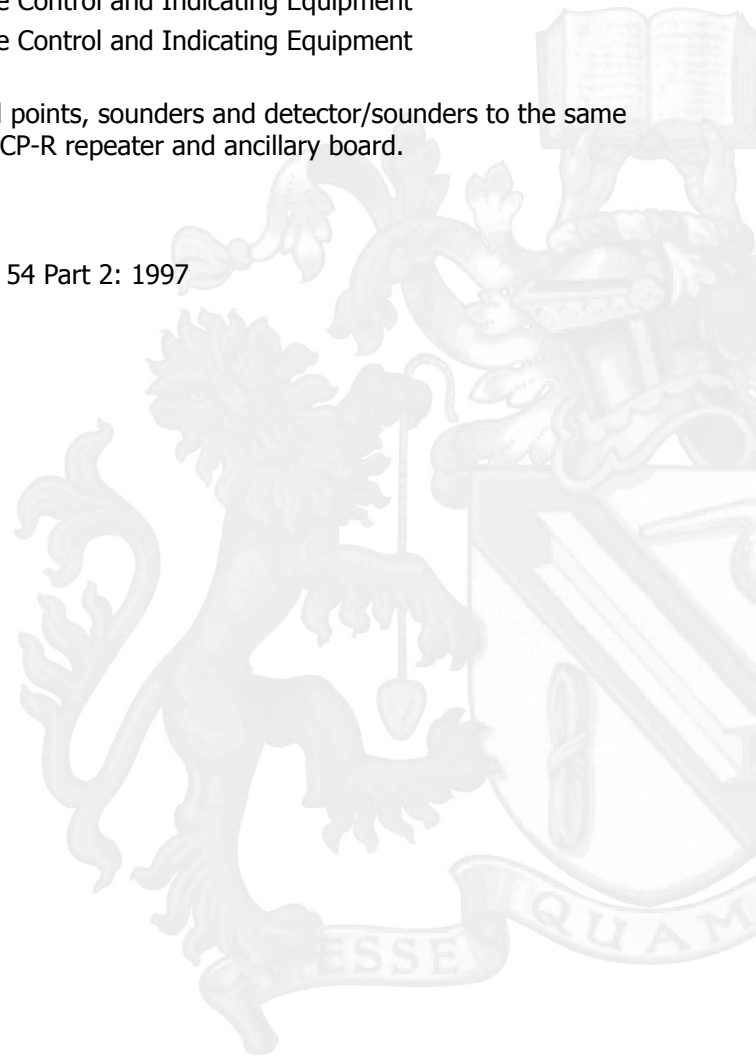
<b>Model Reference</b>	<b>Type</b>
KA11020M2	Sigma CP-A 2 Zone Conventional 2 Wire Control and Indicating Equipment
KA11040M2	Sigma CP-A 4 Zone Conventional 2 Wire Control and Indicating Equipment
KA11080M2	Sigma CP-A 8 Zone Conventional 2 Wire Control and Indicating Equipment

Certified for use with Apollo AlarmSense detectors, manual call points, sounders and detector/sounders to the same pair of wires. 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 EN 54 Part 2: 1997

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



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<b>Model Reference</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, integral or external PSE and when fitted with Swedish Keyswitch.

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 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)

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# Certificate of Constancy of Performance

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Disablement of addressable points (clause 9.5)  
Test condition (clause 10)

## 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. The Syncro AS is certified when fitted with Swedish Keyswitch.

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)  
Delays to outputs (clause 7.11)  
Type C dependency (clause 7.12.3)  
Fault signals from points (clause 8.3)  
Disablement of addressable points (clause 9.5)  
Test condition (clause 10)

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## Appendix 1

Harmonised Technical Specification		EN54-2: 1997 + A1
Essential Characteristics	Performance	Clause
<b>Performance Under Fire Conditions</b>		
General requirements	Pass	4
General requirements for indications	Pass	5
The fire alarm condition	Pass	7
<b>Response Delay (response time to fire)</b>		
Reception and processing of fire signals	Pass	7.1
Output of the fire alarm condition	Pass	7.7
Delay to outputs	Pass	7.11
Dependencies on more than one alarm signal	Pass	7.12
<b>Operational Reliability</b>		
General requirements	Pass	4
General requirements for indications	Pass	5
The quiescent condition	Pass	6
The fire alarm condition	Pass	7
Fault warning condition	Pass	8
Disabled condition	Pass	9
Test condition	Pass	10
Standardised input/output interface	Pass	11
Design requirements	Pass	12
Additional design requirements for software controlled control and indicating equipments	Pass	13
Marking	Pass	14
<b>Durability of Operational Reliability</b>		
Cold (operational)	Pass	15.4
Damp heat, steady state (operational)	Pass	15.5
Impact (operational)	Pass	15.6
Vibration, sinusoidal (operational)	Pass	15.7
Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass	15.8

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Supply voltage variations	Pass	15.13
Damp heat, steady state (endurance)	Pass	15.14
Vibration, sinusoidal (endurance)	Pass	15.15

<b>Harmonised Technical Specification</b>		<b>EN54-4: 1997 + A1 &amp; A2</b>
<b>Essential Characteristics</b>	<b>Performance</b>	<b>Clause</b>
<b>Performance of Power Supply</b>		
General requirements	Pass	4
Functions	Pass	5
Materials, design and manufacture	Pass	6
<b>Operational Reliability</b>		
General requirements	Pass	4
Functions	Pass	5
Materials, design and manufacture	Pass	6
Documentation	Pass	7
Marking	Pass	8
<b>Durability of Operational Reliability</b>		
Cold (operational)	Pass	9.5
Damp heat, steady state (operational)	Pass	9.6
Impact (operational)	Pass	9.7
Vibration, sinusoidal (operational)	Pass	9.8
Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass	9.9
Damp heat, steady state (endurance)	Pass	9.14
Vibration, sinusoidal (endurance)	Pass	9.15

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