

MCP Indoor Call Point Range

Resistor & Clean Contact Model (Colour Versions)



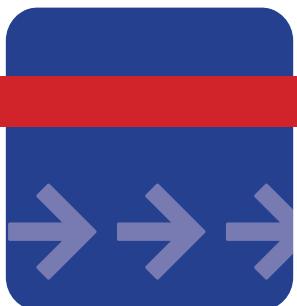
> Product Benefits

- Unique 'Plug & Play' installation concept
- Total 'Flex-Ability' in the choice of operating element
- Anti-Tamper facility
- Enhanced aesthetics
- Backward compatibility



Product Overview

Installation efficiency, flexibility and full compliance with the latest standards are at the heart of the new MCP Indoor Call Point range.



Installation time and ultimately cost, are of paramount importance to any fire or security installer. The MCP range directly reflects this need by providing a unique 'plug and play' concept designed specifically to reduce installation time. All new MCP products utilise a special terminal block, where all initial installation cabling is terminated. This terminal block is then simply connected to the back of the MCP. Simple, but effective with no re-termination required and no time wasted.

Both break glass and resettable operating elements can now be used within a manual call point. To provide you with the greatest 'flex-ability', the new MCP range can be configured as either a break glass or resettable unit by simply changing from one element to another. No other additional parts or alternative products need to be ordered.

All MCP Indoor Call Point products also help preserve the integrity of the overall system as illegal removal of the product lid will result in the call point operating and the system going into alarm.

The MCP1A product version is supplied with both a resistor and normally open clean contact electrical options. These options are easily utilised by simply connecting the terminal block to the required connection in the back of the MCP1 product. A variety of resistor versions are available, with both 470Ω and 680Ω offered as standard. However, other resistor types can be provided upon request.

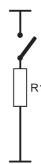
All of our colour products can be supplied with a variety of markings to meet your specific requirements. Please contact our sales team for further information.



Electrical Specification

Connection Details: See Figure .1
 Cable Termination: 0.5-2.5mm²
 Maximum Voltage: 30VDC
 Current Rating (switch only): 2 Amps

Figure.1
MCP1A-X

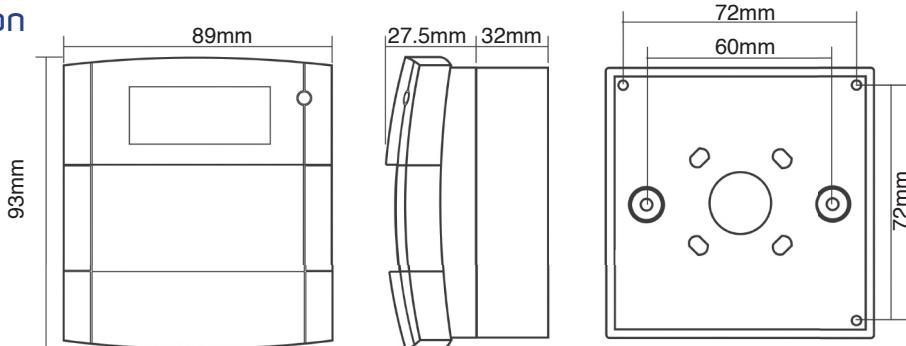


Environmental Specification

Humidity: 0-95% non-condensing
 Operating Temperature: -30°C to +55°C
 Storage Temperature: -30°C to +55°C
 Ingress Protection (IP) Rating: IP24D

Mechanical Specification

Material: PC/ABS
 Weight: 110g Flush
 160g Surface
 Colour: Green,
 White,
 Yellow,
 Blue.



Ordering Information

Model	Electrical Configuration	Colour	Mounting Element	Operating	Markings
Non Stock					
MCP1A-G470SG-11	470Ω Resistor & N/O 30VDC	Green	Surface	Glass	PI AIN
MCP1A-Y470SG-11	470Ω Resistor & N/O 30VDC	Yellow	Surface	Glass	PLAIN
MCP1A-W470SG-11	470Ω Resistor & N/O 30VDC	White	Surface	Glass	PLAIN
MCP1A-B470SG-11	470Ω Resistor & N/O 30VDC	Blue	Surface	Glass	PLAIN
MCP1A-G470SF-11	470Ω Resistor & N/O 30VDC	Green	Surface	Flexible	PLAIN
MCP1A-Y470SF-11	470Ω Resistor & N/O 30VDC	Yellow	Surface	Flexible	PLAIN
MCP1A-W470SF-11	470Ω Resistor & N/O 30VDC	White	Surface	Flexible	PLAIN
MCP1A-B470SF-11	470Ω Resistor & N/O 30VDC	Blue	Surface	Flexible	PLAIN

N/O=Normally Open Contact

Accessories

Code	Description
SC070	Pack Of Ten Test Keys
KG1x5	Pack Of Five Glass Elements
PS210	Flexible Operating Element
PS200	Plain Hinged Cover
SC071	Pack Of Ten Terminal Blocks

KAC Alarm Company Limited

15-19 Trescott Road,
 Smallwood, Redditch,
 Worcestershire B98 7AH.
 England.
 Telephone: +44 (0) 1527 406655
 Fax: +44 (0) 1527 406677
 e-mail: marketing@kac.co.uk

Certificate of Product Approval

Certificate Number: 166b

Issue: 21

KAC Alarm Company Limited

KAC House
Thornhill Road
North Moons Moat
Redditch, Worcestershire
B98 9ND
United Kingdom

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:



Products

Manual Call Points

MCP 1-6 and WCP 1-5 Series
(refer to Appendix for details)

Standards

EN 54-11:2001 +A1:2005

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Signed for LPCB

P Halligan

Verifier

17 February 2017

Date of Issue

07 March 2001

Date of First Issue



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Appendix to Certificate No: 166b

KAC Alarm Company Limited

Issue: 21

Certified Product	Description	LPCB Ref.No.
MCP1A-Rxxxxx-yyyy-zz	Indoor surface/flush mounting conventional call point	166b/39
MCP1A-Rxxxxx-yyyy-zzIS	Indoor surface/flush mounting conventional call point	166b/39
MCP1B-Rxxxxx-yyyy-zz	Indoor surface/flush mounting conventional call point	166b/40
MCP1B-Rxxxxx-yyyy-zzIS	Indoor surface/flush mounting conventional call point	166b/40
MCP2A-Rxxxxx-yyyy-zz	Indoor surface/flush mounting conventional call point	166b/41
MCP2A-Rxxxxx-yyyy- zzIS	Indoor surface/flush mounting conventional call point	166b/41
MCP2B-Rxxxxx-yyyy-zz	Indoor surface/flush mounting conventional call point	166b/42
MCP2B-Rxxxxx-yyyy- zzIS	Indoor surface/flush mounting conventional call point	166b/42
	Notes below refer to 166b/39/40/41/42 Notes: 1. XXXxx indicates the series resistor value 039xx (lowest 39 Ω), 4K7xx (highest 4.7 kΩ) 2. xxxXx indicates mounting (S=Surface mounted, F=Flush mounted, P=Patress mounted, 1-4= Surface mounted with (1-4 terminals) 3. xxxxG (Glass element) xxxxF (Flexible element) 4. yyyy (Range A000 to Z999 or STCK for standard stocked product), indicates a customer account code. Only specific account codes are LPCB approved and indicated by the presence of the LPCB logo placed on the product label 5. zz (Range 0-99) indicates customer marking options detailed on KAC controlled drawing 08/2639 6. IS indicates intrinsically safe variant	
MCP3A-Rxxxxx-yyyy-zz	Indoor surface/flush mounting conventional call point	166b/43
MCP3A-Rxxxxx-yyyy- zzIS	Indoor surface/flush mounting conventional call point	166b/43
	Notes below refer to 166b/43	

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Appendix to Certificate No: 166b

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Issue: 21

Certified Product	Description	LPCB Ref.No.
	<p>Notes:</p> <ol style="list-style-type: none"> 1. XXXxx indicates the electrical configuration (000xx = no resistor, C01xx = single pole changeover connections) 2. xxxXx indicates mounting (S=Surface mounted, F=Flush mounted, P=Pattress mounted, 1-4= Surface mounted with (1-4 terminals) 3. xxxxG (Glass element) xxxxF (Flexible element) 4. yyyy (Range A000 to Z999 or STCK for standard stocked product), indicates a customer account code. Only specific account codes are LPCB approved and indicated by the presence of the LPCB logo placed on the product label 5. zz (Range 0-99) indicates customer marking options detailed on KAC controlled drawing 08/2639 6. IS indicates intrinsically safe variant 	
MCP4A-R000xx-yyyy-zz	Indoor surface/flush mounting conventional call point	166b/44
MCP4A-R000xx-yyyy- zzIS	Indoor surface/flush mounting conventional call point	166b/44

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Appendix to Certificate No: 166b

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Issue: 21

Certified Product	Description	LPCB Ref.No.
MCP5A-RPwwwxx-yyyy-zz	Indoor surface/flush mounting addressable call point Advanced Protocol (and System Sensor 500 series protocol)	166b/45
MCP5A-RPwwwxx-yyyy-zz	Indoor surface/flush mounting addressable call point Advanced Protocol (and Honeywell 500 series protocol)	166b/47
	<p>Notes below refer to 166b/45/47</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. ww (Range 0-99 odd numbers only) indicates the communication software protocol 2. wwwXx indicates mounting (S=Surface mounted, F=Flush mounted, P=Patress mounted, 1-4= Surface mounted (with 1-4 terminals) 3. xG (Glass element) xF (Flexible element) 4. yyyy (Range A000 to Z999 or STCK for standard stocked product), indicates a customer account code. Only specific account codes are LPCB approved and indicated by the presence of the LPCB logo placed on the product label 5. zz (Range 0-99) indicates customer marking options detailed on KAC controlled drawing 08/2639 	
WCP1A-RxxxSx-yyyy-zz	Outdoor surface mounting conventional waterproof call point	166b/51
WCP1A-RxxxSx-yyyy-zzIS	Outdoor surface mounting conventional waterproof call point	166b/51
WCP1B-RxxxSx-yyyy-zz	Outdoor surface mounting conventional waterproof call point	166b/52
WCP1B-RxxxSx-yyyy-zzIS	Outdoor surface mounting conventional waterproof call point	166b/52
WCP2A-RxxxSx-yyyy-zz	Outdoor surface mounting conventional waterproof call point	166b/53
WCP2A-RxxxSx-yyyy-zzIS	Outdoor surface mounting conventional waterproof call point	166b/53
WCP2B-RxxxSx-yyyy-zz	Outdoor surface mounting conventional waterproof call point	166b/54
WCP2B-RxxxSx-yyyy-zzIS	Outdoor surface mounting conventional waterproof call point	166b/54

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Appendix to Certificate No: 166b

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Certified Product	Description	LPCB Ref.No.
	<p>Notes below refer to: 166b/51/52/53/54</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. XXXxx indicates the series resistor value 039xx (lowest 39 Ω), 4K7xx (highest 4.7 kΩ) 2. xxxSG (Glass element) xxxSF (Flexible element) 3. yyyy (Range A000 to Z999 or STCK for standard stocked product), indicates a customer account code. Only specific account codes are LPCB approved and indicated by the presence of the LPCB logo placed on the product label 4. zz (Range 0-99) indicates customer marking options detailed on KAC controlled drawing 08/2639 5. IS indicates intrinsically safe variant. 	
WCP3A-RxxxSx-yyyy-zz	Outdoor surface mounting conventional waterproof call point	166b/55
WCP3A-RxxxSx-yyyy-zzIS	Outdoor surface mounting conventional waterproof call point	166b/55
	<p>Notes below refer to 166b/55</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. XXXSx indicates the electrical configuration (000Sx = no resistor, C01Sx = single pole changeover connections) 2. xxxSG (Glass element) xxxSF (Flexible element) 3. yyyy (Range A000 to Z999 or STCK for standard stocked product), indicates a customer account code. Only specific account codes are LPCB approved and indicated by the presence of the LPCB logo placed on the product label 4. zz (Range 0-99) indicates customer marking options detailed on KAC controlled drawing 08/2639 5. IS indicates intrinsically safe variant. 	
WCP4A-R000Sx-yyyy-zz	Outdoor surface mounting conventional waterproof call point	166b/56

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Appendix to Certificate No: 166b

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Issue: 21

Certified Product	Description	LPCB Ref.No.
WCP4A-R000Sx-yyyy-zzIS	Outdoor surface mounting conventional waterproof call point Notes below refer to 166b/56 Notes: 1. SG (Glass element) SF (Flexible element) 2. yyyy (Range A000 to Z999 or STCK for standard stocked product), indicates a customer account code. Only specific account codes are LPCB approved and indicated by the presence of the LPCB logo placed on the product label 3. zz (Range 0-99) indicates customer marking options detailed on KAC controlled drawing 08/2639 4. IS indicates the intrinsically safe version	166b/56
WCP5A-RPwwSx-yyyy-zz	Outdoor surface mounting addressable waterproof call point Advanced Protocol (and System Sensor 500 series protocol)	166b/57
WCP5A-RPwwSx-yyyy-zz	Outdoor surface mounting addressable waterproof call point Advanced Protocol (and Honeywell 500 series protocol)	166b/59
	Notes below refer to 166b/57/59 Notes: 1. ww (Range 0-99 odd numbers only) indicates the communication software protocol 2. SG (Glass element) SF (Flexible element) 3. yyyy (Range A000 to Z999 or STCK for standard stocked product), indicates a customer account code. Only specific account codes are LPCB approved and indicated by the presence of the LPCB logo placed on the product label 4. zz (Range 0-99) indicates customer marking options detailed on KAC controlled drawing 08/2639	
MCP5A-RP07xx-zz	Indoor surface/flush mounting addressable call point Advanced Protocol (and Labor Strauss protocol) Notes:	166b/67

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Appendix to Certificate No: 166b

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Issue: 21

Certified Product	Description	LPCB Ref.No.
	<p>1. Xx indicates mounting (S=Surface mounted, F=Flush mounted, P=Patress mounted, 1-4= Surface mounted (with 1-4 terminals)</p> <p>2. xG (Glass element) xF (Flexible element)</p> <p>3. zz (Range 0-99) indicates customer marking options detailed on KAC controlled drawing 08/2639.</p>	
WCP5A-RP07Sx-zz	<p>Outdoor surface mounting addressable call point Advanced Protocol (and Labor Strauss protocol)</p> <p>Notes:</p> <p>1. SG (Glass element) SF (Flexible element)</p> <p>2. zz (Range 0-99) indicates customer marking options detailed on KAC controlled drawing 08/2639.</p>	166b/68
MCP6H-RC01xx-yyyy-zz	<p>Indoor surface/flush mounting conventional call point</p> <p>Notes:</p> <p>1. RC01Xx indicates mounting (S=Surface mounted, F=Flush mounted, P=Patress mounted, 1-4= Surface mounted with 1-4 terminals)</p> <p>2. RC01xG (Glass element) RC01xF (Flexible element)</p> <p>3. yyyy (Range A000 to Z999 or STCK for standard stocked product), indicates a customer account code. Only specific account codes are LPCB approved and indicated by the presence of the LPCB logo placed on the product label</p> <p>4. zz (Range 0-99) indicates customer marking options detailed on KAC controlled drawing 08/2639.</p>	166b/69
MCP6V-RC01xx-yyyy-zz	<p>Indoor surface/flush mounting conventional call point</p> <p>Notes:</p> <p>1. RC01Xx indicates mounting (S=Surface mounted, F=Flush mounted, P=Patress mounted, 1-4= Surface mounted (with 1-4 terminals))</p> <p>2. RC01xG (Glass element) RC01xF (Flexible element)</p> <p>3. yyyy (Range A000 to Z999 or STCK for standard stocked product), indicates a customer account code. Only specific account codes are</p>	166b/70

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Appendix to Certificate No: 166b

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Issue: 21

Certified Product	Description	LPCB Ref.No.
	<p>LPCB approved and indicated by the presence of the LPCB logo placed on the product label</p> <p>4. zz (Range 0-99) indicates customer marking options detailed on KAC controlled drawing 08/2639.</p>	

Accessories

SR	Surface mounting plastic box ⁽¹⁾
SR1T	Surface mounting plastic box c/w 1 terminal ⁽¹⁾
SR2T	Surface mounting plastic box c/w 2 terminals ⁽¹⁾
SR3T	Surface mounting plastic box c/w 3 terminals ⁽¹⁾
SR4T	Surface mounting plastic box c/w 4 terminals ⁽¹⁾
MR	Surface mounting metal box
ETT	European Terminal Tray ETT1, 2 & 3 ⁽¹⁾
L	Earth Continuity Link ⁽¹⁾
BZR/1	Bezel Type 1
BZR/2	Bezel Type 2
BZR/3	Bezel Type 3
M141W	Spacer Piece ⁽¹⁾
PTR	Pattress PTR, PTRE, PTR2T, PTR2TE, PTR3T & PTR3TE ⁽¹⁾
C	Hinged Cover ⁽²⁾

Notes:

1. The above accessories are only supplied with MCP 1-6 Series manual call points
2. The hinged cover is only supplied with the MCP & WCP Series Manual Call Points, and is optionally indicated by the presence of 'C' at the end of the model number.

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Appendix to Certificate No: 166b

KAC Alarm Company Limited

Issue: 21

Alternative Model No./Label

LPCB Ref No.	Model No.	Alternative Model No./Label	Cross-listed company	Cross-Listed Co Cert./ Ref No.
166b/39	MCP1A-R470FG-G017-01	XENS-850	Gent by Honeywell (Novar Systems Ltd)	166b-(cl-2)
166b/39	MCP1A-R470SF-G017-01	XENS-805	Gent by Honeywell (Novar Systems Ltd)	166b-(cl-2)
166b/39	MCP1A-Rxxxxx-yyyy-zz	MCP1A-525IMC	Context Plus Limited	166b-(cl-3)
166b/41	MCP2A-R470FG-yyyy-zz	MCP200	Tyco Fire & Security GmbH	166b
166b/41	MCP2A-R039FG-yyyy-zz	MCP210	Tyco Fire & Security GmbH	166b
166b/41	MCP2A-R039FG-yyyy-zz	MCP250M	Tyco Fire & Security GmbH	166b
166b/43	MCP3A-R000SG-G017-01	XENS-801	Gent by Honeywell (Novar Systems Ltd)	166b-(cl-2)
166b/45	MCP5A-RPwwwxx-yyyy-zz	M700KAC-xx	Notifier by Honeywell (Pittway Systems Technology Group (Europe) Ltd)	166b
166b/47	MCP5A-RPwwwxx-yyyy-zz	MI-MCP-xxxxx	Morley-IAS Fire Systems by Honeywell (Pittway Systems Technology Group (Europe) Ltd)	166b
166b/51	WCP1A-R470SG-G017-01	XENS-829	Gent by Honeywell (Novar Systems Ltd)	166b-(cl-2)
166b/53	WCP2A-R470SG-yyyy-zz	MCP230	Tyco Fire & Security GmbH	166b
166b/53	WCP2A-R039SG-yyyy-zz	MCP260M	Tyco Fire & Security GmbH	166b
166b/57	WCP5A-RPwwSx-yyyy-zz	M700WCP-R/Sx	Notifier by Honeywell (Pittway Systems Technology Group (Europe) Ltd)	166b
166b/59	WCP5A-RPwwSx-yyyy-zz	MI-WCP-R/Sx	Morley-IAS Fire Systems by Honeywell (Pittway Systems Technology Group (Europe) Ltd)	166b

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Indoor Specialist Activation Devices

Miniature & Shrouded Pushbutton models

9300 + 9400



› Product Benefits

- A range of Miniature and shrouded push switch devices available,
- Suitable for Fire, Security & Other Specialist Applications
- Variety of colours and markings



Shrouded push button

FIRE

1

FIRE

1

Product Overview

The KAC Class 9000 range of devices provides you with the most comprehensive range of switching product solutions for fire, security and other specialist applications.

All products comprise a main housing and escutcheon plate. The switching device is fitted to the plate, which simply snaps into the main housing and is permanently located into place by fixing screws.

As with our market leading range of call points, all switching devices can be supplied in our core colours of red, green, white, yellow and blue. There are also a number of marking options available (depending on volumes required), to meet your specific requirements.

The miniature push switch family can be supplied with the following options:-

Momentary Action – contacts transferring only while the button is depressed.

Latching – a push/push action; the contacts transfer when the button is pressed and stay transferred until the button is pressed again.

Terminated – 120mm long 16/0.2mm² cable is soldered to the six terminals of the switching device. Shrouded 100mm 1 amp 32/0.2mm² cable is soldered to the 3 terminals.

Non-terminated – no cables are connected to the switching device.

From these options four principle versions can be supplied:-

- Momentary action, non terminated: (9301)
- Momentary action, terminated: (9302)
- Latching, terminated: (9304)

A shrouded push button switch product is also available providing single pole changeover switching with a momentary action.



KAC

PB-1

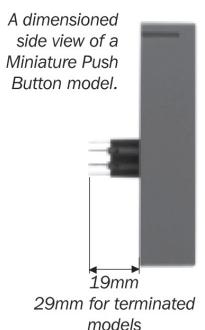
Rev. No. 5

Electrical Specification

Connection Details: See figures 1 & 2
 Cable Terminals: See figure 3
 Maximum Voltage: 240VAC or 24VDC
 Current Rating
 Miniature: 0.5 Amps @ 240VAC,
 1Amps @ 24VDC
 Current Rating
 Shrouded: 0.2Amps @ 240VAC



Rear views of:
 a terminated model - right and
 a non-terminated model - left.



29mm for terminated models

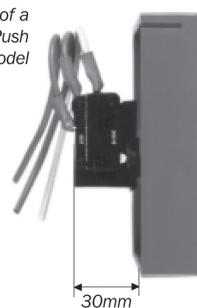
Fig.1

Environmental Specification

Humidity: 0-95% non-condensing
 Operating Temperature: -25°C to +55°C
 Storage Temperature: -25°C to +55°C
 Ingress Protection (IP) Rating: IP24D
 For RoHS, WEEE & REACH data please see www.kac.co.uk



Dimensioned
 side view of a
 Shrouded Push
 Switch Model



30mm

Rear view, showing the
 32/0.2mm², 100mm long
 cables to which the installer
 makes connections

Fig.2



Fig.3

Colour codes relate to the flying leads for terminated models

Ordering Information

Model	Description	Mounting
9301*	Miniature, Momentary action, non terminated	Flush
9301**	Miniature, Momentary action, non terminated	Surface
9302*	Miniature, Momentary action, terminated	Flush
9302**	Miniature, Momentary action, terminated	Surface
9304*	Miniature, Latching, terminated	Flush
9304**	Miniature, Latching, terminated	Surface
9403*	Shrouded, Momentary action, terminated	Flush
9403**	Shrouded, Momentary action, terminated	Surface

* Defines colour & Flush mounting.

** Defines colour & Surface mounting.

Accessories

Code	Description
PS200	Plain Hinged Cover

> KAC Alarm Company Ltd

KAC House, Thornhill Road,
 North Moons Moat, Redditch,
 B98 9ND, United Kingdom
 Tel: +44 (0) 1527 406655
 Fax: +44 (0) 1527 406677
 e-mail: marketing@kac.co.uk

Conventional Audible Visual Devices

Sounders

> Product Overview

KAC's conventional ENscape sounder is a high quality device designed to alert building occupants of an emergency. The product features a new folded horn design which provides outstanding sound output at low current draw. With its modern design, global tone set and extensive installer-friendly features, the ENscape sounder is the logical choice for specifiers, OEMs, installers and distributors.



> ENscape Sounder Benefits

Simple, Fast, Flexible Installation

- Modern design eliminates need for device orientation.
- First fix capability allowing electrical continuity testing prior to device fitting.
- Deep base option with multiple cable entries for flexible installation.
- Designed with full range of common fixing centres.
- Positive fit engagement & feedback of base with device for easy installation.

Outstanding Performance

- Approved to EN54-3.
- Superior sound output and low current consumption.
- 32 tones all approved to EN54-3.
- Adjustable volume settings.
- Two stage sounders enable alert and alarm sequences to be set for phased evacuation.
- Synchronised sound output.

Universal Device

- Suitable for wall and ceiling mount applications.
- Global tone set: 32 tones including a new bell tone.
- Range of installation and base options, for indoor and applications up to IP65.
- Optimised for 12V and 24V systems, making the range suitable for use in fire & security applications.

Quality & Reliability

- Independently approved to all required standards:
 - Manufacturing: Construction Products Regulation (CPR).
 - Product performance: Approved to EN54-3
 - Environmental: RoHS, WEEE
- Product range supports system approval.

> Introducing the Range

Device	Approvals	Body Colour		Installation Options		Base Options	Environmental Compliance
ENscape Sounders	EN54-3	Red	White	Standard device	First Fix	Low Profile or Deep/IP65	RoHS/ WEEE

Sounders – Technical Specification

Electrical Specification

Operating Voltage:	9 to 29VDC
(Approved to EN54-3 @ 9-14V and 18-29V)	
Average current consumption:	31mA @ 29VDC (Tone 8)
Maximum Sound Output:	107dB (A) @ 1m (Tone 23)

Mechanical Specification

Body colour:	Red / White
Number of Tones:	32 includes a bell tone. <i>Full tone table available on website or on installation manual</i>
Volume setting:	High or medium
Cable Terminal Size:	0.5-2.5mm ²
Material:	Flame retardant PC/ABS
Gross Weight: Standard device:	190g (low profile base), 197g (deep / IP65 base)
First Fix option:	200g (low profile base), 207g (Deep / IP65)

Out of Box Contents

ENscape Sounder	Standard Device	First Fix Option	Deep / IP 65 Option	Deep / IP 65 & First Fix Option
 Sounder including selected base	✓	✓	✓	✓
 P pack (includes terminal block & continuity link)	✗	✓	✗	✓
 O Ring for IP65 Sealing	✗	✗	✓	✓
 Installation data sheet	✓	✓	✓	✓

Accessories:

Low Profile Bases	Deep Bases	IP and Earthing Kits	Electrical Items
CSR – Red low profile base, pack of 5	CWR – Red deep / IP 65, pack of 5	PS 189 – Deep base gasket, pack of 5	SCO77- Terminal block, pack of 5
CSW – White low profile base, pack of 5	CWW – White deep / IP 65 base, pack of 5	PS 188 - Deep base O Ring, pack of 5	SCO78- Installer link, pack of 5
		SC076 - Earth strap, pack of 5	

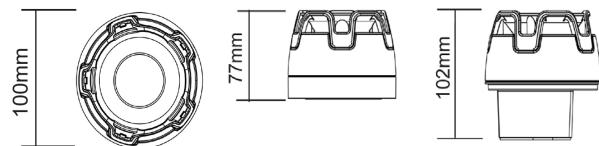
Order Information:

Code	Body Colour	Base Option	Install Option	Example Part No.
CWSO	RR=Red	S=Low Profile	1=Standard Device	CWSO-RR-S1
	WW=White	W=IP65/Deep	2=First Fix	CWSO-WW-W2

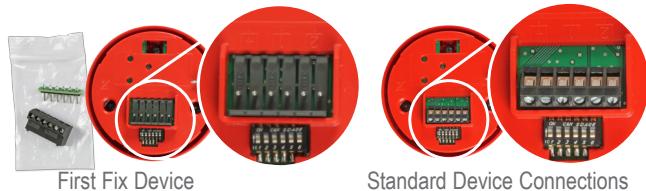
Environmental Specification

Operating Temperature:	-25°C to 70°C
Relative Humidity:	93% ±3%, non condensing
Ingress Protection:	IP21C - low profile base IP65 – deep base
For RoHS & WEEE	Please visit www.kac.co.uk

Dimensions



Wiring Options



Standard Device Connections



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Certificate of constancy of performance

0832-CPR-F0254

In compliance with Regulation 305/2011/EU of the European Parliament and of the council of 9th March 2011
(the Construction Products Regulation or CPR), this certificate applies to the construction product

CWSO-RR-YY Conventional Sounder

(For full product details and conditions of use refer to appendix)

Produced by or for

KAC Alarm Company Ltd

Thornhill Road
North Moons Moat
Redditch
B98 9ND
United Kingdom

and produced in the manufacturing plant(s)

KAC Alarm Company Ltd

Thornhill Road
North Moons Moat
Redditch
B98 9ND
United Kingdom

This certificate attests that all provisions concerning the assessment and verification of constancy of performance
and the performances described in Annex ZA of the standard(s)

EN 54-3:2001 + A1:2002 + A2:2006 - Sounders

under system 1 are applied and that

the product fulfils all the prescribed requirements set out above.

This certificate was first issued on 17 April 2014 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

M McCullagh, Certification Manager
On behalf of BRE Global Limited
Date of issue: 17 April 2014
Issue number: 01

This certificate remains the property of BRE Global Ltd and is issued subject to terms and conditions.
To check the validity of this certificate, please contact us on +44 (0)1923 664100 or email enquiries@breglobal.com.

Appendix to Certificate of constancy of performance 0832-CPR- F0254

Bases:

CSW 19mm shallow back box . white IP21C

CSR 19mm shallow back box . red IP21C

CWW 45mm deep back box . white IP33C

CWR 45mm deep back box . red IP33C

Notes:

1. Type A with CSW / CSR shallow back box, Type B with CWW / CWR deep back box

Where W = White

Where R = Red

2. **RR** indicates red body colour

3. **YY** indicates mounting option. Where S1 = shallow back box (standard fix)

Where S2 = shallow back box (first fix)

Where W1 = deep back box (standard fix)

Where W2 = deep back box (first fix)

4. Meets the requirements of EN54-3: 2001 at the following tones:

- 1) 554/440, 2Hz (100ms/400ms);
- 2) 800/970, 1Hz;
- 3) 800/970, 2Hz;
- 4) 2400/2900, 3Hz;
- 5) 2500/3100, 2Hz;
- 6) 988/645, 2Hz;
- 7) 660Hz;
- 8) 970Hz;
- 9) 1200Hz;
- 10) 2850Hz;
- 11) 2400Hz, alternating between frequencies 2400Hz, 3100Hz & 988Hz
- 12) 420Hz, 0.625s on, 0.625 sec off;
- 13) 500-1200Hz, 0.25 sec off, 3.75 sec on;
- 14) 660, 3.33Hz, 150ms on, 150ms off;
- 15) 970, 0.8Hz 0.25s on, 1s off;
- 16) 970, 0.5Hz 1s on, 1s off;
- 17) 2810, 1Hz;
- 18) 970, 1Hz 500ms on, 500ms off;
- 19) 950, 0.22Hz (0.5s on, 0.5s off) x 3, 1.5s off;
- 20) 800Hz;
- 21) 400-1200Hz, (0.5s on, 0.5s off) x 3, 1.5s off;
- 22) 1200 . 500Hz, 0.99Hz 1s on, 0.01s off;
- 23) 2400 . 2850, 7Hz;
- 24) 500 . 1200Hz, (0.5s off, 3.5s on);
- 25) 800 . 970, 50Hz;
- 26) 800 . 970, 7Hz;
- 27) 800 . 970, 1Hz;
- 28) 2400 . 2850, 50Hz;
- 29) 500 . 1000, 7Hz;
- 30) 500 . 1200 . 500, 0.166Hz rise 1s, stable 4s, fall 1s;
- 31) 800 . 1000, 2Hz;
- 32) 2400 . 2850, 1Hz;



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Notified Body No. 0832

BRE Global Limited

Bucknalls Lane, Garston, Watford, Hertfordshire, UK, WD25 9XX

Telephone: +44 (0)1923 664100 Fax: +44 (0)1923 664603

Email: enquiries@breglobal.com Web: www.breglobal.com

Appendix to Certificate of constancy of performance 0832-CPR- F0254

Variant

CWSO-WR-YY Conventional Sounder

WR= white body

M McCullagh, Certification Manager

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Warning Signage: EV & GD

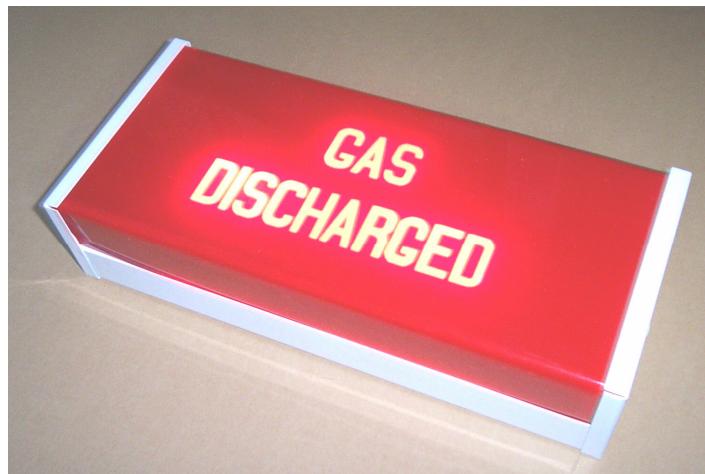
Specifications

DESCRIPTION	: "EVACUATE AREA IMMEDIATELY" Signage
MODEL	: EV-LED
CURRENT CONSUMPTION	: 200mA
OPERATING VOLTAGE	: 24V DC
LAMP TYPE	: LED
FUNCTION	: Steady / Flashing
MATERIAL / COLOR	: Electrode Galvanized Steel Sheet with Epoxy Powder Coating – White / Red Color
DIMENSION	: 375mm(L) x 80mm(W) x 165mm(H)
WEIGHT	: 1.3Kg

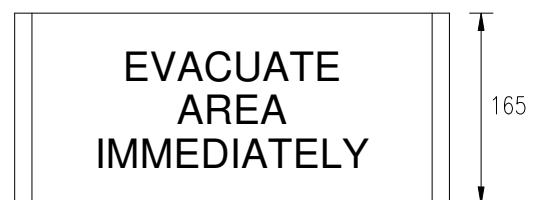
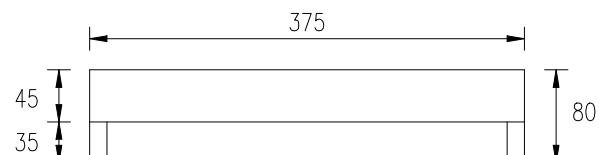


Model: EV-LED

DESCRIPTION	: "GAS DISCHARGED" Signage
MODEL	: GD-LED
CURRENT CONSUMPTION	: 200mA
OPERATING VOLTAGE	: 24V DC
LAMP TYPE	: LED
FUNCTION	: Steady / Flashing
MATERIAL / COLOR	: Electrode Galvanized Steel Sheet with Epoxy Powder Coating – White / Red Color
DIMENSION	: 375mm(L) x 80mm(W) x 165mm(H)
WEIGHT	: 1.3Kg



Model: GD-LED



DIMENSION (mm)