Intrinsically Safe Call Point Range
IS MCP 4 Double Pole Changeover Contact Model (Red Versions)

> ## Product Benefits

- Unique 'Plug & Play' installation concept
- Total 'Flex-Ability' in the choice of operating element
- Anti-Tamper facility
- Enhanced aesthetics
- Fully approved to the latest standards
- Backward compatibility
- CPR and Ex approved

LPCB
LOSS PREVENTION CERTIFICATION BOARD
166b/44

KAC Alarm Co. Ltd.
Redditch B98 9ND
MCPXX
Sira 04ATEX2350X

⟨Ex⟩ II 1 G
Ex ia IIC T4 Ga
Ui = 30V, Ii = 500mA, Pi = 1W

CE 0518
-10°C to +55°C

Product Overview

An Intrinsically Safe version of our MCP4A indoor call point is available for installation in hazardous areas. These call points are manufactured to protect against other hazards, as defined in paragraph 1.2.7 of annex II of the ATEX Directive 94/9/EC. They are intended for use within Intrinsically Safe (I.S.) systems using suitable I.S. barriers. For a list of suitable barriers see reverse.

Installation efficiency, flexibility and full compliance with the latest standards are at the heart of the new 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.

Through new standards and legislation, 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 in to alarm.

The MCP4A product version is supplied with a double pole changeover set of contacts. The product utilises two terminal blocks and wiring to the relevant terminals on these terminal connector blocks provides either a 'normally open' or 'normally closed' operation (see wiring diagram overleaf).
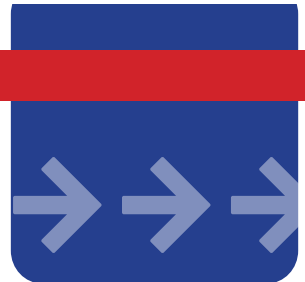
Electrical Specification

Connection Details:	See Figure .1
Cable Termination:	0.5-2.5mm^2
Maximum Voltage:	30VDC
Maximum current:	500mA
Maximum Power:	1W
Certification Details:	

Figure .1

MUS4A-X
IS-MCP4A-X

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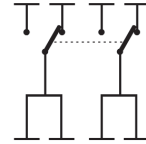
Suitable IS Barriers:

Pepperl & Fuchs -	KFDO-Cs-Ex 1.51P (BAS98ATEX7343), KFDO-Cs-Ex 2.51P (BAS98ATEX7343)
MTL -	MTL4061 (BAS01ATEX7176), MTL5061 (BAS01ATEX7160)

A certified shunt zener barrier may be used having the following output parameters;
Uz - 28V, Imax - 93.3mA, Wmax - 0.67W

Environmental Specification

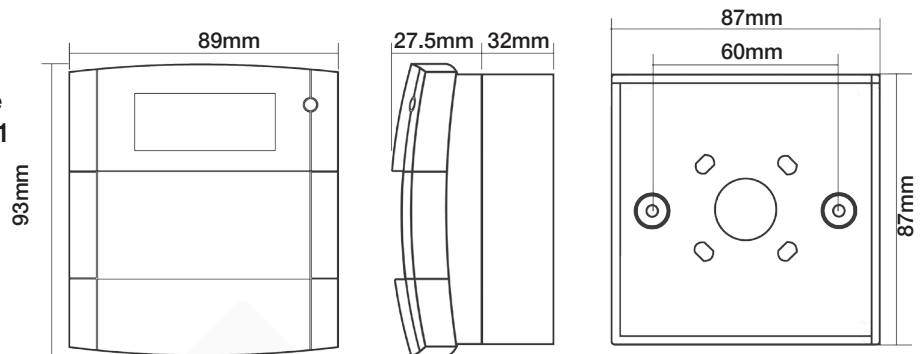|	
Humidity:	93± 3% non-condensing
Ambient Temperature Range:	-10^{0}C to + 55^{0}C
Ingress Protection (IP) Rating:	IP24D

For RoHS, WEEE & REACH information please see www.kac.co.uk

Mechanical Specification

Material:	PC/ABS
Weight:	130g Flush
	180g Surface
Colour:	Red, Ral 3001

89mm   93mm

27.5mm 32mm

87mm
60mm
87mm

Ordering Information

Model	Electrical Configuration	Mounting	Operating Element	Markings
MCP4A-R000FG-K013-01IS	N\O & N\C contacts 30VDC	Flush	Glass	EN54-11
MCP4A-R000FF-K013-01IS	N\O & N\C contacts 30VDC	Flush	Flexi	EN54-11
MCP4A-R000SG-K013-01IS	N\O & N\C contacts 30VDC	Surface	Glass	EN54-11
MCP4A-R000SF-K013-01IS	N\O & N\C contacts 30VDC	Surface	Flexi	EN54-11

N\C = Normally Closed Contact
N\O = Normally Open Contact

Accessories

Code	Description
SC070	Pack Of Ten Test Keys
KG1 x 5	Pack Of Five Glass Elements *(Also available in packs of 10, 25 & 50)*
PS210	Flexible Operating Element
PS200	Plain Hinged Cover
SC071	Pack Of Twenty Terminal Blocks

We reserve the right to amend the content of this document without prior notice.