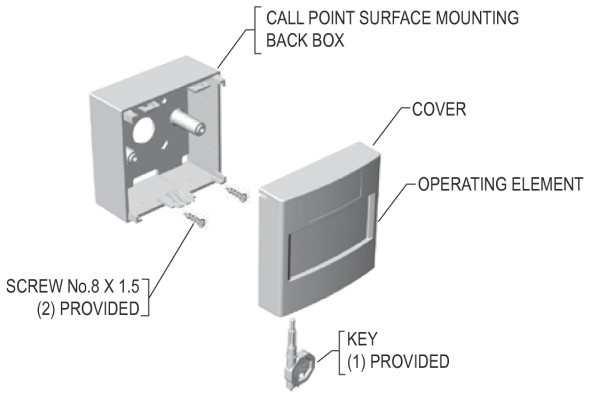
ZT-CP3/AD Zeta Addressable Manual Call Point

This unique manual call point mimics the feel of breaking glass whilst offering the user the benefits and safety advantages of a glass-free resettable operating element. Once activated a warning flag drops in to view easily identifying the call point that has been operated. A key can then reset the unit. It is ideal for industries that are sensitive to broken glass as well as areas that suffer from a high number of false activations such as; schools, shopping centres and other public places.

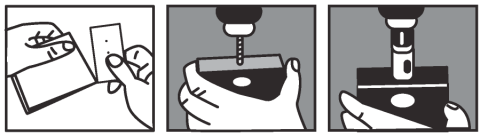


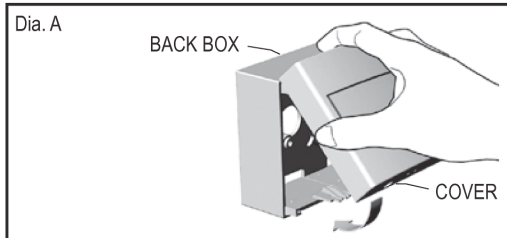
Mounting Method

Note: For security reasons the call point is deliberately difficult to remove from the back box once fitted.
Please ensure that the call point is installed correctly BEFORE snapping closed.

The ZT-CP3/AD call point is supplied with its own surface mounting back box. 20mm cable entries can be easily cut using the template provided on each pack box (see illustration below)

With the screws provided, fix the back box to the wall. Carefully attach the call point to the top of the back box, and hinge down to snap securely into place.





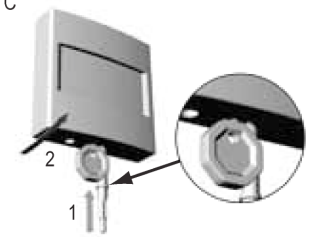
****IMPORTANT NOTICE****

For security reasons the call point is deliberately difficult to remove from the back box once fitted. Please ensure that the call point is installed correctly before snapping closed. Carefully attach the call point to the top of the back box. Hinge down to snap securely into place. (As illustrated in Dia. A).

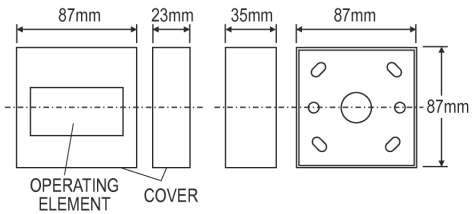
Detaching the lid

Dia. C

1. Insert key into the bottom of the lid.
2. Keep the key inserted and with your hand pull the lid towards you. (As illustrated in Dia. C)



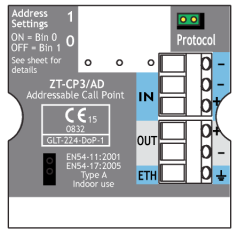
Dimensions



ZT-CP3/AD Zeta Addressable MCP - Technical Info

The ZT-CP3/AD Addressable call point uses our new fyreye II addressable protocol. This offers up to 250 devices per loop. They will not run on the same loop as our original Zeta Addressable Protocol devices. But in order to provide support for legacy systems running our original Zeta Addressable Protocol, these call points can be set to run the old protocol by fitting a jumper link (see below).
These Call points have a built in loop short circuit isolator to help maintain system integrity in the event of a short circuit fault on the loop

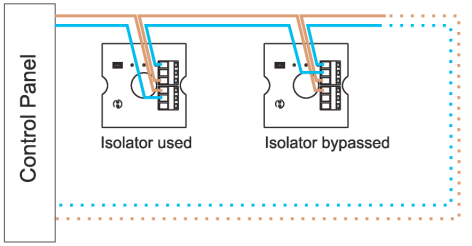
Terminal Connections



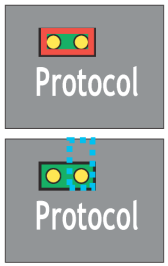
PCB LABEL	USED FOR
IN -	IN -
IN -	OUT - (No S/C Iso)
IN +	IN +
IN +	OUT+
OUT -	OUT - (Uses S/C iso)
EARTH	EARTH

Connect loop out -ve cable to the spare IN- to Bypass Loop Isolator, or to OUT- to use the Loop Short Circuit Isolator

Loop Wiring



Protocol Selection



Jumper Open/Removed: Fyreye Mk II Protocol

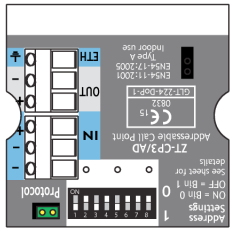
Jumper closed: Original Zeta Protocol

NOTE: Jumper selection must be made BEFORE powering up the call point. Protocol can not be changed while MCP is running.

Specification

MODEL	ZT-CP3/AD
INPUT VOLTAGE	17-28V DC
ELEMENT TYPE	Resettable
QUIESCENT CURRENT	600uA Max
ALARM CURRENT	2.5mA Max
OPERATING TEMP	-20 to +60
MAX HUMIDITY	95% RH N-C.
IP RATING	IP32
SIZE (W x H x D mm)	87 x 87 x 23
PROTOCOL SPECIFICATION	
fyreye Mk II Protocol - Quatro	Max 250 per loop
fyreye Mk II Protocol - Simplicity	Max 126 per loop
Zeta Addressable Protocol- All panels	Max 126 per loop

Address setting



Switch 1 OFF = Add 1 to address
Switch 2 OFF = Add 2 to address
Switch 3 OFF = Add 4 to address
Switch 4 OFF = Add 8 to address
Switch 5 OFF = Add 16 to address
Switch 6 OFF = Add 32 to address
Switch 7 OFF = Add 64 to address
Switch 8 OFF = Add 128 to address

(See Table for switch settings)

The address setting is BINARY with the switch in the ON position being a Binary 0, and the switch in the OFF position being a Binary 1

To work out an address, add together the values for each switch that is in the OFF position

In the example, the address is:-
Switch 1, switch 3 and switch 5 OFF
= 1 + 4 + 16
= Address 21

NOTE: Switch 8 has no effect in Original Zeta Protocol Mode.

Short Circuit Isolator Specification

PARAMETER	RATING
V_{MAX}	28 V
V_{NOM}	27 V
V_{MIN}	15.7 V
$V_{SO\ MAX}$	15.2 V
$V_{SO\ MIN}$	10.29 V
$V_{SC\ MAX}$	422 mV
$V_{SC\ MIN}$	202.5 mV
$I_{C\ MAX}$	1 A
$I_{S\ MAX}$	1 A
$I_{L\ MAX}$	2.16 mA
$Z_{C\ MAX}$	0.23 Ohm

Zeta Alarms Limited
Detection House, 72-78 Morfa Road, Swansea SA1 2EN
Telephone: +44 (0)1792 455 175 . Email: info@zetaalarmsystems.com

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ZT-CP3/AD Zeta Addressable MCP Address Switch Settings

The ZT-CP3/AD addressable call point uses an 8 way dip switch to set the device address. The table below shows the position of each one of the dip switches, whether they are to the ON or OFF position. Only addresses 1 to 250 are used. the other addresses will not be recognised by the panel.

If the call point is running in Original Zeta Protocol Mode, dip switch 8 is ignored as that protocol only uses 126 addresses

Simplicity panels running fyreye MK II protocol do not support 250 addresses per loop. Please ensure that only addresses 1-126 are used on simplicity systems.

ADDR		1	2	3	4	5	6	7	8
1	.=	OFF	ON	ON	ON	ON	ON	ON	ON
2	.=	ON	OFF	ON	ON	ON	ON	ON	ON
3	.=	OFF	OFF	ON	ON	ON	ON	ON	ON
4	.=	ON	ON	OFF	ON	ON	ON	ON	ON
5	.=	OFF	ON	OFF	ON	ON	ON	ON	ON
6	.=	ON	OFF	OFF	ON	ON	ON	ON	ON
7	.=	OFF	OFF	OFF	ON	ON	ON	ON	ON
8	.=	ON	ON	ON	OFF	ON	ON	ON	ON
9	.=	OFF	ON	ON	OFF	ON	ON	ON	ON
10	.=	ON	OFF	ON	OFF	ON	ON	ON	ON
11	.=	OFF	OFF	ON	OFF	ON	ON	ON	ON
12	.=	ON	ON	OFF	OFF	ON	ON	ON	ON
13	.=	OFF	ON	OFF	OFF	ON	ON	ON	ON
14	.=	ON	OFF	OFF	OFF	ON	ON	ON	ON
15	.=	OFF	OFF	OFF	OFF	ON	ON	ON	ON
16	.=	ON	ON	ON	ON	OFF	ON	ON	ON
17	.=	OFF	ON	ON	ON	OFF	ON	ON	ON
18	.=	ON	OFF	ON	ON	OFF	ON	ON	ON
19	.=	OFF	OFF	ON	ON	OFF	ON	ON	ON
20	.=	ON	ON	OFF	ON	OFF	ON	ON	ON
21	.=	OFF	ON	OFF	ON	OFF	ON	ON	ON
22	.=	ON	OFF	OFF	ON	OFF	ON	ON	ON
23	.=	OFF	OFF	OFF	ON	OFF	ON	ON	ON
24	.=	ON	ON	ON	OFF	OFF	ON	ON	ON
25	.=	OFF	ON	ON	OFF	OFF	ON	ON	ON
26	.=	ON	OFF	ON	OFF	OFF	ON	ON	ON
27	.=	OFF	OFF	ON	OFF	OFF	ON	ON	ON
28	.=	ON	ON	OFF	OFF	OFF	ON	ON	ON
29	.=	OFF	ON	OFF	OFF	OFF	ON	ON	ON
30	.=	ON	OFF	OFF	OFF	OFF	ON	ON	ON
31	.=	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
32	.=	ON	ON	ON	ON	ON	OFF	ON	ON
33	.=	OFF	ON	ON	ON	ON	OFF	ON	ON
34	.=	ON	OFF	ON	ON	ON	OFF	ON	ON
35	.=	OFF	OFF	ON	ON	ON	OFF	ON	ON
36	.=	ON	ON	OFF	ON	ON	OFF	ON	ON
37	.=	OFF	ON	OFF	ON	ON	OFF	ON	ON
38	.=	ON	OFF	OFF	ON	ON	OFF	ON	ON
39	.=	OFF	OFF	OFF	ON	ON	OFF	ON	ON
40	.=	ON	ON	ON	OFF	ON	OFF	ON	ON
41	.=	OFF	ON	ON	OFF	ON	OFF	ON	ON
42	.=	ON	OFF	ON	OFF	ON	OFF	ON	ON

ADDR		1	2	3	4	5	6	7	8
43	.=	OFF	OFF	ON	OFF	ON	OFF	ON	ON
44	.=	ON	ON	OFF	OFF	ON	OFF	ON	ON
45	.=	OFF	ON	OFF	OFF	ON	OFF	ON	ON
46	.=	ON	OFF	OFF	OFF	ON	OFF	ON	ON
47	.=	OFF	OFF	OFF	OFF	ON	OFF	ON	ON
48	.=	ON	ON	ON	ON	OFF	OFF	ON	ON
49	.=	OFF	ON	ON	ON	OFF	OFF	ON	ON
50	.=	ON	OFF	ON	ON	OFF	OFF	ON	ON
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52	.=	ON	ON	OFF	ON	OFF	OFF	ON	ON
53	.=	OFF	ON	OFF	ON	OFF	OFF	ON	ON
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55	.=	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
56	.=	ON	ON	ON	OFF	OFF	OFF	ON	ON
57	.=	OFF	ON	ON	OFF	OFF	OFF	ON	ON
58	.=	ON	OFF	ON	OFF	OFF	OFF	ON	ON
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60	.=	ON	ON	OFF	OFF	OFF	OFF	ON	ON
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80	.=	ON	ON	ON	ON	OFF	ON	OFF	ON
81	.=	OFF	ON	ON	ON	OFF	ON	OFF	ON
82	.=	ON	OFF	ON	ON	OFF	ON	OFF	ON
83	.=	OFF	OFF	ON	ON	OFF	ON	OFF	ON
84	.=	ON	ON	OFF	ON	OFF	ON	OFF	ON

ADDR		1	2	3	4	5	6	7	8
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86	.=	ON	OFF	OFF	ON	OFF	ON	OFF	ON
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ADDR		1	2	3	4	5	6	7	8
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ADDR		1	2	3	4	5	6	7	8
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ADDR		1	2	3	4	5	6	7	8
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220	.=	ON	ON	OFF	OFF	OFF	ON	OFF	OFF
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243	.=	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
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246	.=	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
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249	.=	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
250	.=	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
251	.=	N	O	T		U	S	E	D
252	.=	N	O	T		U	S	E	D