

25 Years of Manufacturing Excellence



# Premier M Plus & Infinity 8 Conventional Fire Alarm Systems



Assessed to ISO 9001: 2008  
Certificate number 330

# Premier M Plus 8-24 Zone Conventional Fire Alarm Panel (PMP8, PMP16, PMP24)



The Premier M Plus control panels are designed to fulfil the requirements of EN54 parts 2 & 4 as well as being easy to install, operate and maintain.

Being of modular construction, the basic M Plus panel has 8 zone capacity, expandable to 16, 20 and 24 zones.

The Premier M Plus is suitable for surface mounting or semi-flush fitting (with just the door protruding).

## Features

- ✓ 4 Common sounder circuits (150mA each)
- ✓ Optional add-on zonal sounder circuits (50mA Max.)
- ✓ Serial repeater output
- ✓ Auxiliary supply (29 Volts, 250mA)
- ✓ Zone & sounder disablement facility
- ✓ Sounder delay facility
- ✓ Zonal to common timer (when fitted with zonal sounder boards)
- ✓ One man test mode

Model	PMP8	PMP16	PMP24
Part No.	37-020	37-022	37-024
Detection Zones	8	16	24
Mains Voltage	230V AC +10% / -15% @ 50/60 Hz		
System Voltage	24V DC (nominal)		
Zone Voltage	21V DC		
Sounder Alarm Output	4 x 150mA @ 24V DC		
Fault Relay Output	1 x relay SELV @ 1A maximum		
Fire Relay Output	1 x relay SELV @ 1A maximum		
Zone Capacity	32 Devices		
Remote Sounder Activation	N/A		
Sounder Activation Delay	0 - 9 minutes in 1 minute increments		
Zone End Of Line	IN4002 Diode		
Sounder End Of Line	10KΩ Resistor		
Charger Voltage	28.4V DC (batteries disconnected)		
Zone Short Circuit Protection	100mA		
Charger Short Circuit Protection	Batteries less than 20V		
Charger Size	3.0 Amp		
Operating Temperature	0°C - 50°C		
Enclosure Size	485 x 477.5 x 125mm		

# Premier M Plus Repeater Panel

(PMP-REP, PMP-REP/M)



The Premier M Plus repeater is available in 2 versions - standard (PMP-REP) & multiple (PMP-REP/M).

The standard repeater offers display & control functions, however it is limited to one per system.

The second version allows multiple repeaters on the same system however they do not have any control functions (i.e. they cannot be used to silence or reset the system).

A single repeater can be powered from the panels' auxiliary 24V supply. If more than one repeater is to be used, a separate 24V is required.

Model	PMP-REP	PMP-REP/M
Part No.	37-026	37-027
Functions	Display & control	Control only
Supply Voltage	20-30V DC	
Max. Quantity Per System	1	5
Connections	Serial Repeater A Serial Repeater B +24V DC 0V	
Operating Temperature	0°C to 50°C	
Enclosure Size	375 x 335 x 125mm	
Weight	TBC	

# Infinity 8 Conventional Fire Alarm Panel

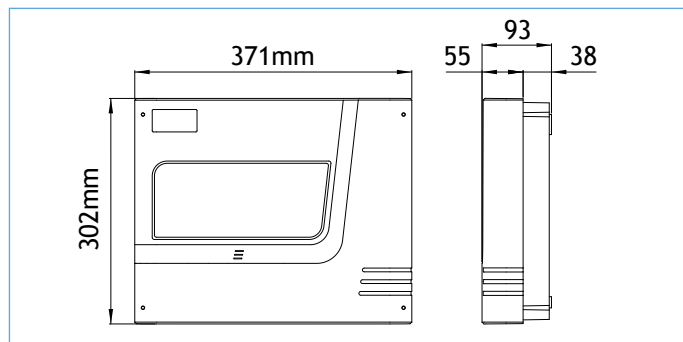
(IN1, IN2, IN4, IN6, IN8)



0086-CPD-575041



KM-575040



The Infinity 8 control panel is housed in the most attractive, modern designed, flame retardant ABS enclosure, utilising a switch mode power supply. It has a fully removable front cover which improves ease of access for cable installations.

## Optional Metal Backbox

The Infinity 8 panel can also be ordered with a metal back box facilitating upto 7ah batteries to fit within the panel housing. To order this version add “/M” to the end of the model number (i.e. IN1/M, IN2/M, etc.)

## Features

- ✓ Access via password - removes problem of lost keys
- ✓ One man test facility
- ✓ Disablement facility for zones & sounders
- ✓ Space for up to 3Ah batteries
- ✓ Sounder delay option
- ✓ 4 sounder circuits (IN4, IN6 & IN8)
- ✓ Sounder circuits 3 and/or 4 can be configured as Aux 24V supplies
- ✓ Meets all requirements of latest EN54 part 2 and part4

MODEL	IN1	IN2	IN4	IN6	IN8
Part No	37-650	37-651	37-652	37-653	37-654
Mains Voltage	230V AC +10% / -15% @ 50/60 Hz				
System Voltage	24V DC (Nominal)				
Zone Voltage	21V DC (Nominal)				
Sounder Alarm Output	2 x 150mA @ 24V DC		4 x 150mA @ 24V DC		
Fault Relay	1 x Volt Free Relay, SELV @ 1A Max				
Fault Relay	1 x Volt Free Relay, SELV @ 1A Max				
Zone Capacity	32 devices per zone				
Remote sounder operation	Via N/O contact connected to Class Change				
Sounder Activation Delay	0 to 10 minutes in 1 minute increments				
Zone End of line	1N4002 Diode (Cathode Stripe to Zone +ve)				
Sounder End of Line	10K resistor				
Charger Voltage	27.6V				
Battery cut off	Battery voltage less than 20V				
Battery Internal Resistance limit	0.9 ohm				
Enclosure size	375 x 316 x 90 (mm)				
Weight	3 kg (Excluding Batteries)				
Maximum battery space	2 x 3.4 Ah, 12 Vdc sealed lead acid				

# Fyreye MkII Conventional Detectors

(MKII-OP, MKII-OH, MKII-HF, MKII-HR)



MKII-OP



DIFT



See table below for CPD numbers



MKII-OH



MKII-HF



MKII-HR

The Fyreye MkII optical smoke detectors use a pulsing IR LED & photodiode to detect IR scatter caused by smoke entering the chamber.

The detector is particularly suitable for detecting optically dense smoke, involving materials such as soft furnishings, PVC, plastic, foam and all similar materials which produce small visible particles (0.5 to 10µm).

The Fyreye Rate of Rise heat detectors (MKII-HR) use a thermistor arrangement to sense a quick rise in temperature and also a final threshold temperature of 57°C. The Fyreye fixed heat detector (MKII-HF) has a single thermistor arrangement that gives an alarm at a temperature of 90°C.

## Features

- ✓ Designed to meet EN54 requirement
- ✓ Lockable to base to stop unauthorised removal
- ✓ Remote LED output
- ✓ Compatible with all Fyreye bases

Model	MKII-OP	MKII-OH	MKII-HF	MKII-HR
Part No.	80-200	80-206	80-204	80-202
Detector Class	Optical Smoke	Combined Smoke & Heat	Fixed Heat Only	Rate of Rise & Fixed Heat Detector
Design Standard	EN54 part 7	EN54 parts 5 & 7	EN54 part 5	EN54 part 5
Approval	DIFT			
CPD Number	0845-CPD-232.1700	0845-CPD-232.1703	0845-CPD-232.1701	0845-CPD-232.1702
Operating Voltage	9-33V DC			
Quiescent Current	40µA			
Alarm Current @ 24V DC	34mA			
Operating Temperature	-10°C to +50°C			
Minimum Continuous Temperature	0°C			
Maximum Humidity	95% RH non-condensing			
Alarm Condition	2.4% obscuration per metre		Fixed heat trigger @90°C	Rate of rise or fixed heat trigger @ 57°C
Coverage	100m <sup>2</sup>		50m <sup>2</sup>	
IP Rating	IP43			
Start-up Time	10 Seconds			
Size (with Base)	100 x 48 mm	101 x 64 mm	100 x 48 mm	100 x 48 mm
Weight (with Base)	75g (133g)			

## Bases

There are 4 types of mounting base available; standard or deep and with or without diode.

Model	MKII-CB	MKII-CB/D	MKII-DB	MKII-DB/D
Part No.	80-220	80-221	80-222	80-223
Type	Common Base	Common Base	Diode Base	Diode Base
Size	100 x 16mm	100 x 32mm	100 x 16mm	100 x 32mm
Weight	53g	64g	53.2g	64.2g

# Reset Call Point & Waterproof Reset Call Point

(ZT-CP3, ZT-CP3/WP)



ZT-CP3



ZT-CP3/WP

The ZT-CP3 and ZT-CP3/WP call points are unique in that they mimic the feel of breaking glass whilst offering the user the benefits and environmental advantages of a re-settable operating element.

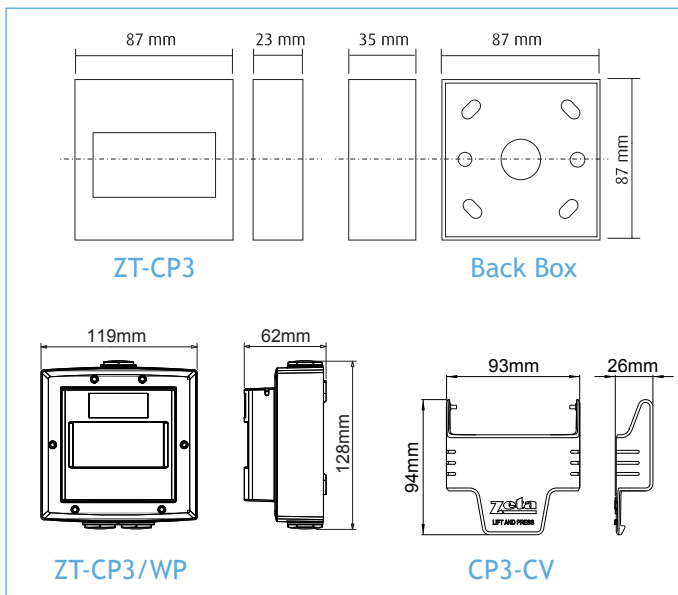
The CP3 uses a simple yet ingenious patented mechanism which consists of a rigid plastic operating element and an over centre spring mechanism. This arrangement provides real action on operation and simulates break glass activation.

An activation indicator drops into view at the top of the window after the CP3 has been operated. The unit is then simply reset with a key and is ready for re-use straight away.

A special Polycarbonate cover (CP3-CV) is available for extra protection against accidental activation and thus allowing the unit to operate as a double action call point. This must be ordered separately.

## Flush Mount Installation

An optional flush mount bezel is available for the indoor ZT-CP3 call point and can be ordered under the code CP3-FMB.



## Features

- ✓ EN54-11 approved
- ✓ Waterproof tested to IP67 (ZT-CP3/WP only)
- ✓ Glass appearance maintains operator deterrence
- ✓ Positive activation that mimics the feel of breaking glass
- ✓ Visible warning flag confirms activation
- ✓ Simple key to reset operating element (no broken glass)
- ✓ Complete functional test with every activation

Model	ZT-CP3	ZT-CP3/WP
Current Rating	(All Series) 3 Amps 12 - 24V DC (Series 02-04 & 11) 3 Amps 125 - 250V AC	(Series 01 & 11) 3 Amps 12 - 24V DC (Series 11) 3 Amps 125 - 250V AC
Low Current Rating (All Series)	1-100 mA 5 - 12V DC 0.1 Amps 125 - 250V AC	
Housing and Mounting Box Material	Polycarbonate	
Electrical Contact Material	Silver plated brass	
Operating Temperature	-20 degrees C to +65 degrees C	
Installation Terminal Conductor Size	0.5mm - 2.5mm	
Colours	Red, Yellow, Green, Blue & White	
Mounting	Flush or surface with back box	
IP Rating	IP32	IP67

# Zeta Beam Motorised Reflective Optical Beam Smoke Detector (ZT-BEAM, ZT-BEAM/KIT80, ZT-BEAM/KIT100)

ZT-BEAM



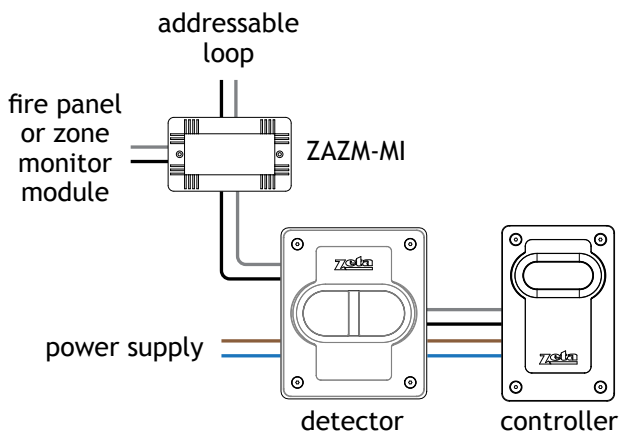
0786-CPD-20241



Developed to overcome the problems of old outdated technology in beam detection, this motorised beam now means that beam detection can be used reliably to produce cost effective solutions for protecting large areas.

Building movement and accessibility have in the past, made beam detection unreliable, difficult, time consuming to commission and hard to maintain, but now by using the advanced motorised technology of the fire beam unreliability is no longer a problem. The ZT-BEAM will self align itself to the centre of the reflector when commissioning and will automatically keep alignment with the reflector when building movement occurs. This intelligent motorisation will mean less false alarms therefore saving time, resources, reputations and ultimately money.

## Connection Diagram

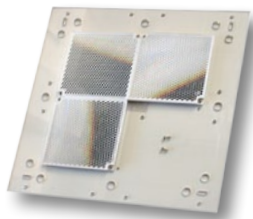


## Features

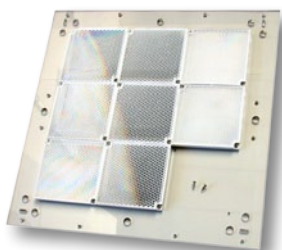
- ✓ Motorised head unit
- ✓ Controller unit (mounted at low level)
- ✓ Designed to comply with EN54 part 2
- ✓ Compatible with most major fire panels
- ✓ Very low power consumption
- ✓ Uses only 3mA at all times

## Additional System Components

- ✓ ZT-BEAM/KIT80 Mid range kit for distances between 40 and 80 metres.
- ✓ ZT-BEAM/KIT100 Long range kit for distances between 80 and 100 metres.



ZT-BEAM/KIT80



ZT-BEAM/KIT100

## Order Information

For 40m Beam	ZT-BEAM
For 80m Beam	ZT-BEAM + KIT/80
For 120m Beam	ZT-BEAM + KIT/100
For Zone Monitor Module	ZAZM-MI

# Miditone Conventional Sounder & Combined Sounder/Flasher (ZMDD/8R, ZMDD/8W & ZMDF/8R)



ZMDD/8R



ZMDD/8W



ZMDF/8R

The Miditone sounders and combined sounder/flashers are small, high output conventional devices which are designed to meet EN54 part 3 and are CE marked.

The device is a compact unit that fits a standard European back box and can be either surface or flush mounted. It has a choice of 8 tone patterns, selectable by an internal dip switch and a sound output of 95dB @ 1m with volume control.

It is available in red or white to meet architectural requirements and also as a combined sounder/flasher with a red lens.

## Features

- ✓ Complies to EN54 part 3
- ✓ 95dB @ 1m sound output
- ✓ 8 Tone patterns
- ✓ Flush or surface fixing

Model	ZMDD/8R	ZMDD/8W	ZMDF/8R
Part No.	42-040	42-040A	42-024
Sound Output	See current consumption table		
Colour	Red	White	Red
Operating Voltage	9-30V DC		17-30V DC
Quiescent Current	0mA		
Alarm Current @ 24V	See current consumption table		
Operating Temperature	-10°C to 50°C		
Minimum Continuous Temperature	0°C		
Maximum Humidity	95% RH Non Condensing		
IP Rating	IP43		
Size (with Back Box)	85 x 85 x 35mm (85 x 85 x 67mm)		
Weight (with Back Box)	100g (150g)		112g (162g)

DIL Switch Settings (SW4 N/A)				ZMDD/8R, ZMDD/8W		ZMDF/8R	
1	2	3	Tone Description	dB Level	Current (mA)	dB Level	Current (mA)
Off	Off	Off	Sweep Negative 1200- 500 Hz In 1 Second	97 (+/- 2dB)	21	102 (+/- 2dB)	35
On	Off	Off	Alternating 554 and 440Hz 0.5s Each	95 (+/- 2dB)	17	100 (+/- 2dB)	27
Off	On	Off	Continuous 660Hz	96 (+/- 2dB)	22	100 (+/- 2dB)	33
On	On	Off	Alternating 554Hz @ 0.1s/440Hz @ 0.4s	94 (+/- 2dB)	17	98 (+/- 2dB)	26
Off	Off	On	Intermittent 970Hz @ 0.5s On/Off	93 (+/- 2dB)	8-24	93 (+/- 2dB)	13 - 35
On	Off	On	Continuous 970Hz	95 (+/- 2dB)	25.5	103 (+/- 2dB)	37
Off	On	On	Sweep Positive 800-970Hz	99 (+/- 2dB)	25	103 (+/- 2dB)	45
On	On	On	Alternating 800 and 970Hz @ 0.25s Each	100 (+/- 2dB)	25	103 (+/- 2dB)	42



# Maxitone Conventional Sounder & Combined Sounder/Flasher (ZMT/8R, ZMT/8W & ZMTF/8R)



ZMT/8W

The Maxitone sounder is an ideal alternative to fire bells and for external use. It is housed in an attractive horn comprises of flame retardant ABS. Eight selectable tones and volume control are featured to meet most requirements.

The Maxitone is also available with transparent polycarbonate front which will provide both visual and audible alarm.



ZMT/8R

## Features

- ✓ High output
- ✓ 8 selectable tones
- ✓ Volume control



ZMTF/8R

Model	ZMT/8R	ZMT/8W	ZMTF/8R
Part No.	42-001	42-001A	42-032
Sound Output	See current consumption table		
Colour	Red	White	Red
Operating Voltage	17-30V DC		
Quiescent Current	0mA		
Alarm Current @ 24V	See current consumption table		
Operating Temperature	-20°C to 60°C		
Minimum Continuous Temperature	0°C		
Maximum Humidity	95% RH non condensing		
IP Rating	IP65		
Size	124 x 130 x 100mm		
Weight	357g		

DIL SWITCH SETTINGS (SW4 N/A)					
1	2	3	Tone Description	dB Level	Current (mA)
Off	Off	Off	Sweep Negative 1200-500 Hz In 1 Second	101 (+/- 2dB)	27
On	Off	Off	Alternating 554 and 440Hz 0.5s Each	98 (+/- 2dB)	20
Off	On	Off	Continuous 660Hz	101 (+/- 2dB)	27
On	On	Off	Alternating 554Hz @ 0.1s/440Hz @ 0.4s	98 (+/- 2dB)	19
Off	Off	On	Intermittent 970Hz @ 0.5s On/Off	98 (+/- 2dB)	20
On	Off	On	Continuous 970Hz	103 (+/- 2dB)	29.3
Off	On	On	Sweep Positive 800-970Hz	103 (+/- 2dB)	38
On	On	On	Alternating 800 and 970Hz @ 0.25s Each	102 (+/- 2dB)	35

# Zeta Conventional Fire Alarm Bells

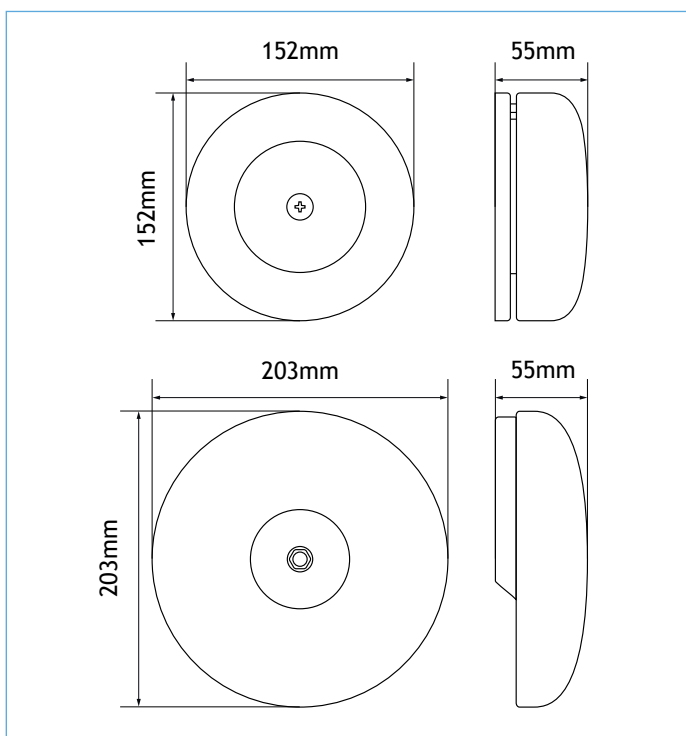
(ZTB6B, ZTB8B/230, ZTB8B & ZTB8B/WP)



ZTB6B



ZTB8B



The Zeta motorised fire alarm bells combine styling and functional efficiency. They incorporate a low power rotary centrifugal mechanism, which gives a high sound output with low current consumption at 24V dc.

The bells are available in 2 sizes; 6" (152mm) and 8" (203mm). These sizes suit a wide variety of installations.

There is a 230V ac version of the 6" bell, and a 24V dc Weatherproof version of the 8" bell.

## Features

- ✓ Low current
- ✓ Universally accepted fire evacuation signal

Model	ZTB6B	ZTB8B/230	ZTB8B	ZTB8B/WP
Part No.	41-003	41-004	41-005	41-006
Supply Voltage	18-30V dc	200-250V AC	18-30V dc	
Diameter	6" (152mm)		8" (203mm)	
Quiescent Current	25mA		28mA	
Nominal Output @ 1M	95dB(A)		97dB(A)	
Dimensions	152 x 152 x 55mm		203 x 203 x 55mm	
Weight	860g	960g	1700g	1800g

# Other Conventional Ancillaries



PP-2/12



0359-CPD-0146



PP-5/17



0359-CPD-0146

## Premier Power Pack EN 54-4 Power Supply with LCD Screen

The Premier Power Pack Power supply uses an innovative design that allows the engineer to view system status through the on board LCD screen. The screen can display several power supply parameters, including output voltage, and output current.

## Zeta Sealed Lead Acid Batteries

As with all life safety systems a fire alarm system must function in the event of a mains power failure. All parts of the system, including auxiliary power supplies, must have a battery back-up.

Z21751

Z21251

Z20651

Z20304

Z20201



ZT-DR24



ZT-BR

## Zeta Magnetic Door Holders

The Zeta magnetic door holders are designed to retain a fire door open against the force of its own closing device. In the event of a fire, the door holder magnet can be turned off by the fire alarm, allowing the door to shut.

## Fyreye Conventional Ultra-Violet Flame Detector

The Fyreye ultra-violet flame detector is particularly suited to applications where flames can be expected to develop initially rather than smoke. This is typically due to the nature of the materials being protected for instance camera film, computer, audio & video tapes or disks.



FEUV2000

## UV/IR & Triple IR (IR3) Flame Detectors

The new range of UV/IR and Triple IR Flame Detectors detect fuel and gas fires at long distances with the highest immunity to false alarms.



ZT-20EX

ZT-500EX

ZT-20P

## Remote LED Indicators

Remote LED indicators are used in installations where a detector going to alarm is likely to occur out of sight (for instance behind a locked door or in a ceiling void). In these scenarios the remote LED will show the location of the alarm. Both ceiling and wall mounted versions are available and the enclosure matches the styling of the MKII detectors for consistency.



MKII-RL/C



MKII-RL/W

# Other Zeta Products

25 Years of Manufacturing Excellence



**Simplicity Plus**  
Addressable Fire  
Alarm System



25 Years of Manufacturing Excellence



**Premier Quatro**  
Addressable Fire  
Alarm System



25 Years of Manufacturing Excellence




**INFINITY *id2***  
The 2 Wire Fire Detection  
System for Professionals




25 Years of Manufacturing Excellence



**Wi-Fyre**  
The 'Wire to Wireless' Gateway



**Gas Sense**  
Gas Detection System



**Premier EVACS 16**  
Voice Alarm System



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