



Product Range Introduction



Company

Zeta Alarms Limited was founded in 1985 and is a privately held UK manufacturer of early warning fire detection systems.

Our brand name Zeta Alarm Systems is well known throughout the industry and is acclaimed in over forty countries worldwide. We are currently represented in the UK, Europe, Africa, the Middle East, Southern Asia & South America and this list continues to grow.

Complete System Supplier

To meet the requirements of our ever-changing market, we pride ourselves on being a complete system supplier. This means our customers can rely on us for their entire fire system requirements.

Our product range now incorporates conventional & analogue addressable fire detection systems, firefighting telephone systems, voice evacuation systems, carbon monoxide & combustible gas detection systems along with state of the art aspiration detection systems.

One of the main advantages of using a complete system supplier, rather than a component supplier, is that system wide compatibility is assured. Marketing our products as systems has played an important part in the success of our Zeta branded products worldwide. When the system is sourced from one manufacturer, there is one point of contact and no compatibility issues.

The Future

Our continued inward investment and constant endeavor to offer the very best products is recognized by our increased turnover and profit margin year-on-year. Our mission is to support our existing & future customers by providing them with the highest quality products, at the most competitive prices.

Customer Support & Product Warranty

We value our customers greatly and to prove this we offer a dedicated support team who are able to assist with sales, technical or logistical queries.

Our network of authorized agents is fully trained in the use of Zeta products, and will provide a helpful & friendly service for all your fire alarm requirements. Our products carry a full 24-month manufacturer's guarantee from the date of purchase.

Research & Development

As with all electronic equipment there is an ever present drive to manufacture products that are increasingly effective whilst becoming more cost effective. Zeta Alarms Limited spends a significant percentage of its profits on the continued development of products, whether it be introducing new items, or improving existing ones.

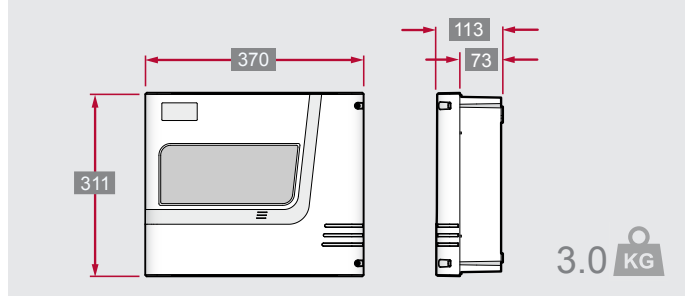
We have a dedicated team of designers with many years experience of fire alarm and related product design. They are always keen to accept a new challenge.

As a manufacturer we always follow the market needs closely, to judge if we need to make changes to our products. And of course customer feedback is always welcomed.

Infinity 8 Conventional Fire Alarm Panel (IN1, IN2, IN4, IN6, IN8)



Dimensions (mm) & Weight (kg)



Description

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.


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
- Disabling 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

Technical Specification

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	371 x 302 x 93 (mm)				
Weight	3 kg (Excluding Batteries)				
Maximum battery space	2 x 3.4 Ah, 12 Vdc sealed lead acid				



0086-CPD-575041



KM-575040

CE
0086-CPD-575041

KM-575040

Fyreye MkII Conventional Detectors

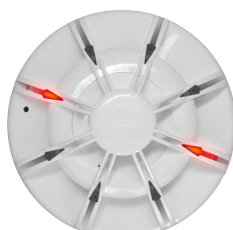
(MKII-OP, MKII-OH, MKII-HF, MKII-HF/CS90, MKII-HR)



MKII-OP



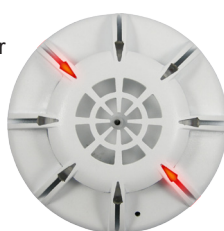
See table below for
CPD numbers



MKII-OH



MKII-HF



MKII-HR

Description

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 57°C.

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

Features

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

Bases

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

Technical Specification

Model	MKII-OP	MKII-OH	MKII-HF	MKII-HF/CS90	MKII-HR
Part No.	80-200	80-206	80-204	80-208	80-202
Detector Class	Optical Smoke	Combined Smoke & Heat	Fixed Heat Only	Fixed Heat Only	Rate of Rise & Fixed Heat Detector
Design Standard	EN54 part 7	EN54 parts 5 & 7	EN54 part 5	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	-10°C to +50°C	-10°C to +50°C	-10°C to +80°C	-10°C to +50°C
Min. Continuous Temp.	0°C				
Maximum Humidity	95% RH non-condensing				
Alarm Condition	2.4% obscuration per metre		Fixed heat trigger @57°C	Fixed heat trigger @90°C	Rate of rise or fixed heat trigger @ 57°C
Coverage	100m ²		50m ²		
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)				

Resettable CP4 Call Point & Weatherproof Call Point

(ZT-CP4, ZT-CP4/WP)



ZT-CP4



ZT-CP4/WP



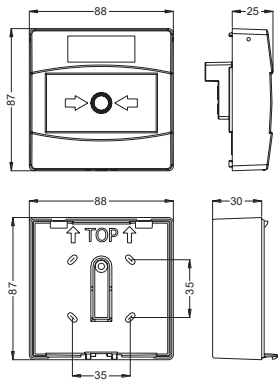
Description

The ZT-CP4 is a resettable manual call point with unique and innovative features. It has been designed to obtain maximum visibility, high reliability in operation and pleasant aesthetical appearance.

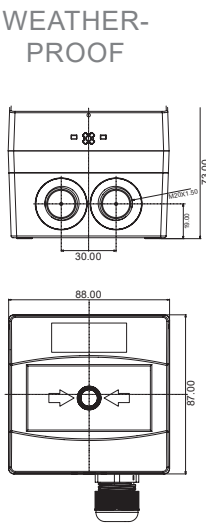
When the resettable element is pressed the spring mechanism mimics the feel of a break glass and the resettable element goes back. A completely new action system gives high performance and guarantees the alarm detection in every condition.

A reflective polyester flag appears in the bottom of the operating face, providing the highest levels of visibility for the user. At the heart of the call point a spring free mechanism is used to operate the flag and the switch via a patented design. This allows long life and trouble free operation.

Dimensions (mm)



SURFACE MOUNT



WEATHER-PROOF

Key Benefits

- ✓ EN54-11 approved
- ✓ Very high visibility of the alarm condition
- ✓ New efficient and reliable mechanism
- ✓ High impact resistant ABS glass fiber material
- ✓ Fully patented
- ✓ Quick and Easy Installation

Technical Specification

Model	ZT-CP4	ZT-CP4/WP
Maximum Voltage	30V	
Minimum Voltage*	4.5V if LED with R1 is chosen 6.0V if LED with R2 is chosen	5.0V if LED with R1 is chosen 6.0V if LED with R2 is chosen
Current Rating (non-operated)	0mA	
Current Rating (operated)	18 mA @ 12V - R1	19 mA @ 12V - R1
	13 mA @ 12V - R2	13 mA @ 12V - R2
	45 mA @ 24V - R1	45 mA @ 24V - R1
	31 mA @ 24V - R2	31 mA @ 24V - R2
Cable Termination	0.5 - 2.5 mm ²	0.5 - 2.5 mm ²
Operating Temperature	-30 / +70 °C	-30 / +70 °C

Resettable CP4 Call Point & Weatherproof Call Point

(ZT-CP4, ZT-CP4/WP)



Model	ZT-CP4	ZT-CP4/WP
Humidity	0 - 95%	
IP Rating	IP42	IP67
Material	ABS/Polycarbonate/PA6 + Glass Fiber	ABS/Polycarbonate/PA6 + Glass Fiber
*	Below minimum voltage LED current is lower than 7 mA	Below minimum voltage LED current is lower than 5 mA

Order Codes

Model	Description
SINGLE POLE - SURFACE MOUNT	
ZT-CP4	Zeta CP4 Conventional Surface Mount Manual Call Point, Red
ZT-CP4/G	Zeta CP4 Conventional Surface Mount Manual Call Point, Green
ZT-CP4/Y	Zeta CP4 Conventional Surface Mount Manual Call Point, Yellow
ZT-CP4/W	Zeta CP4 Conventional Surface Mount Manual Call Point, White
ZT-CP4/Y	Zeta CP4 Conventional Surface Mount Manual Call Point, Blue
SINGLE POLE - FLUSH MOUNT	
ZT-CP4/F	Zeta CP4 Conventional Flush Mount Manual Call Point, Red
ZT-CP4/F/G	Zeta CP4 Conventional Flush Mount Manual Call Point, Green
ZT-CP4/F/Y	Zeta CP4 Conventional Flush Mount Manual Call Point, Yellow
ZT-CP4/F/W	Zeta CP4 Conventional Flush Mount Manual Call Point, White
ZT-CP4/F/B	Zeta CP4 Conventional Flush Mount Manual Call Point, Blue
DOUBLE POLE - SURFACE MOUNT	
ZT-CP4/11	Zeta CP4 Conventional Surface Mount Manual Call Point, Double Pole, Red
ZT-CP4/11/G	Zeta CP4 Conventional Surface Mount Manual Call Point, Double Pole, Green
ZT-CP4/11/Y	Zeta CP4 Conventional Surface Mount Manual Call Point, Double Pole, Yellow
ZT-CP4/11/W	Zeta CP4 Conventional Surface Mount Manual Call Point, Double Pole, White
ZT-CP4/11/B	Zeta CP4 Conventional Surface Mount Manual Call Point, Double Pole, Blue
DOUBLE POLE - FLUSH MOUNT	
ZT-CP4/F/11	Zeta CP4 Conventional Flush Mount Manual Call Point, Double Pole, Red
ZT-CP4/F/11/G	Zeta CP4 Conventional Flush Mount Manual Call Point, Double Pole, Green
ZT-CP4/F/11/Y	Zeta CP4 Conventional Flush Mount Manual Call Point, Double Pole, yellow
ZT-CP4/F/11/W	Zeta CP4 Conventional Flush Mount Manual Call Point, Double Pole, White
ZT-CP4/F/11/B	Zeta CP4 Conventional Flush Mount Manual Call Point, Double Pole, Blue
WEATHERPROOF CALL POINT	
ZT-CP4/WP	Zeta CP4 Conventional Weatherproof Manual Call Point, Red
ZT-CP4/WP/G	Zeta CP4 Conventional Weatherproof Manual Call Point, Green
ZT-CP4/WP/Y	Zeta CP4 Conventional Weatherproof Manual Call Point, Yellow
ZT-CP4/WP/W	Zeta CP4 Conventional Weatherproof Manual Call Point, White
ZT-CP4/WP/B	Zeta CP4 Conventional Weatherproof Manual Call Point, Blue

Securetone 2 Conventional Sounder/Beacon



ZS2-CS/R



ZS2-CS/W



ZS2-CSB/TR



ZS2-CSB/T



ZS2-CB/TR



ZS2-CB/T

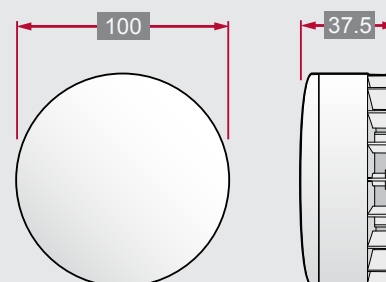
Description

The Securetone 2 is a low consumption sounder designed to be used as an unobtrusive low profile sounder or as a base sounder to be installed in conjunction with a conventional detector. This leads to reduced installation costs and improves the aesthetics of the fire alarm system.

Four different tones are available and selected by jumpers. The Sound level can be adjusted if required, using the potentiometer.

The complete range is composed of 3 varieties in both base and wall mounted versions: Beacon, Sounder and combined Sounder/ Beacon. detectors, external power supplies etc.

Dimensions (mm) & Weight (g)



110 g

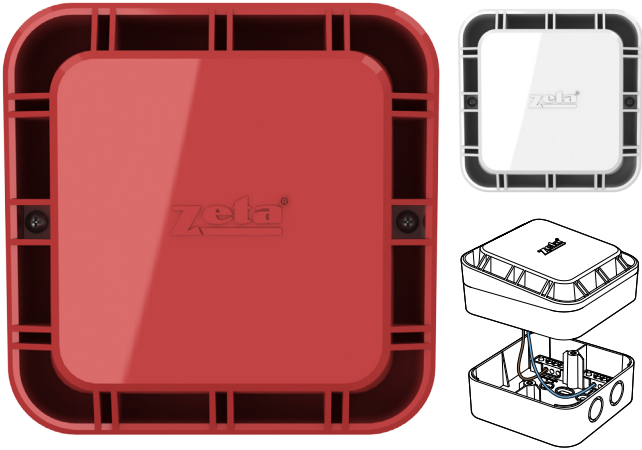
Technical Specification

Model	ZS2-CS/R	ZS2-CS/W	ZS2-CS/T	ZS2-CSB/TR	ZS2-CSB/T	ZS2-CB/TR	ZS2-CB/T
Part No.	42-550	42-551	42-551C	42-552	42-553	42-554	42-555
CPR No.	1328-CPR-0386			1328-CPR-0387			
Supply Voltage	20V to 30V DC						
Colour	Red	White	Clear	Red	Transparent	Red	Transparent
Alarm Current - 800 to 1000 HZ	4mA		5.5mA			2.5mA	
Alarm Current - 2.0 to 3.0 KHZ	7mA		8.0mA			2.5mA	
Sounder Output - Low Freq.	84dB @1m			N/A			
Sounder Output - High Freq.	88dB @1m			N/A			
Max. Cable Size	2.5mm ²						
Max. Humidity	95%RH Non-Condensing						
Operating Temperature	-10°C to 55°C						
Dimensions (mm)	100 (Dia) x 37.5(H)						
Weight	110 grams						

Xtratone Conventional Wall Sounder (ZXT/R & ZXT/W)



Xtratone Conventional Combined Wall Sounder Beacon (ZXTB/R & ZXTB/W)



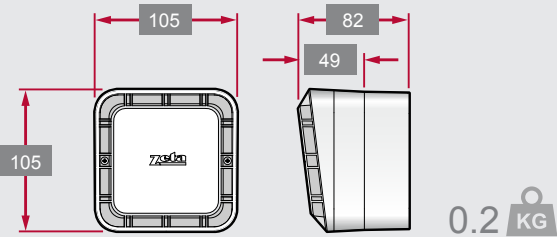
Description

The new Xtratone conventional sounder is designed to meet EN54 part 3 with a selection of 22 tones. It is available in red or white with termination of field wiring made to the backbox for a clean first fix.

Features

- Complies with EN54 Part 3 Type A
- 102dB @ 1m sound output
- 22 Tone patterns (site selectable)
- Flush or surface fixing
- Housed in UL V0 flame retardant ABS
- 4 x 20mm cable entries (2 top, 2 bottom)
- First fix, wire to back box technology

Dimensions & Weight

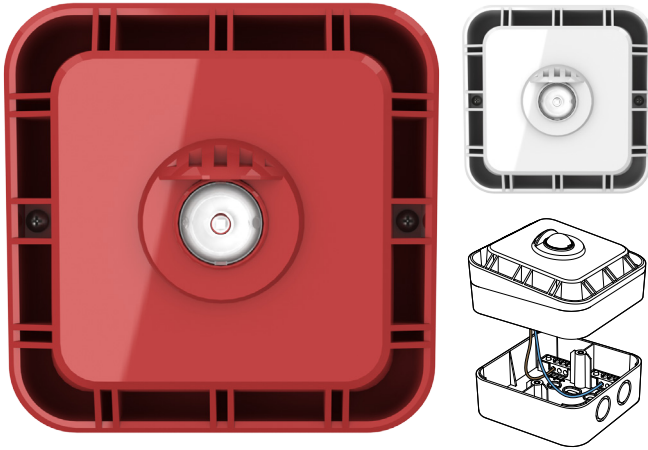
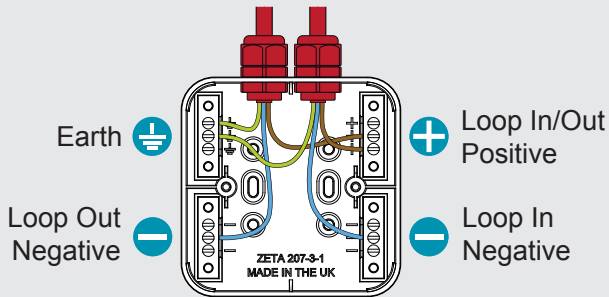


Technical Specification

Model	ZXT/R	ZXT/W
Part No.	42-606	42-607
Designed to	EN54 Part 3	EN54 Part 3
Voltage	17 - 30V DC	17 - 30V DC
Current @ 24V DC	10mA	10mA
Body Colour	Red	White
Sounder Type	A	A
IP Rating	IP 21 C	IP 21 C
Operating Temperature	-10°C to 55°C	-10°C to 55°C
Sound Output @ 1m	*102dB	*102dB +/- 2dB
Size mm (with back box)	105 x 105 x 49 (105 x 105 x 82)	
Weight	200g	200g

* This applies to 'TONE 0' 800Hz and 970Hz, 500ms each

First Fix



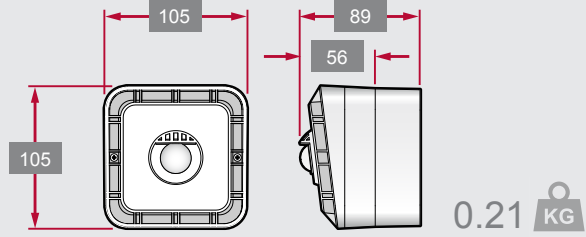
Description

The new Xtratone conventional wall sounder with beacon has been designed to make an "electronics free" first fix and is available in red or white. The beacon has a coverage pattern of W 3.0 - 8.9 and the sounder part has 22 selective tones.

Features

- Complies with EN54 Pt 3 Type A & EN54 Pt 23
- 102dB @ 1m sound output
- 22 Tone patterns (site selectable)
- Flush or surface fixing
- Housed in UL V0 flame retardant ABS
- 4 x 20mm cable entries (2 top, 2 bottom)
- First fix, wire to back box technology
- Flashing Rate 0.5Hz

Dimensions & Weight

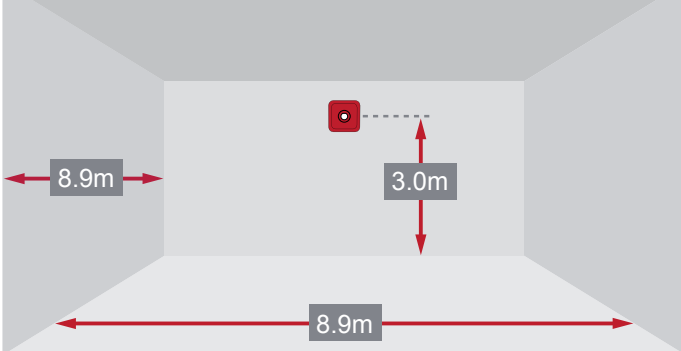


Technical Specification

Model	ZXTB/R	ZXTB/W
Part No.	42-608	42-609
Voltage	17 - 30V DC	17 - 30V DC
Current @ 24V DC	70mA Max	70mA Max
Flash Colour	White	White
Flash Frequency	0.5Hz	0.5Hz
Body Colour	Red	White
Sounder Type	A	A
IP Rating	IP 21 C	IP 21 C
Operating Temperature	-10°C to 55°C	-10°C to 55°C
Sound Output @ 1m	*102dB	*102dB
Size mm (with back box)	105 x 105 x 56 (105 x 105 x 89)	
Weight	210g	210g

* This applies to 'TONE 0' 800Hz and 970Hz, 500ms each

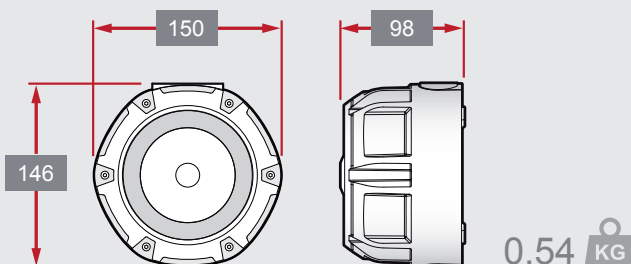
Coverage



Raptor Conventional Weatherproof Sounder (ZRP/R & ZRP/W)



Dimensions & Weight



Technical Specification

Model	ZRP/R	ZRP/W
Part No.	42-630	42-631
Voltage	17 - 30V DC	
Current @ 30V DC	10mA	
Body Colour	Red	White
Sounder Type	B	
IP Rating	IP65 (certified to IP33C)	
Operating Temperature	-25°C to 70°C	
Sound Output @ 1m	*107dB +/- 3dB	
Size mm	150 x 146 x 98	
Weight	540g	

* This applies to 'TONE 0' 800Hz and 970Hz, 500ms each

Description

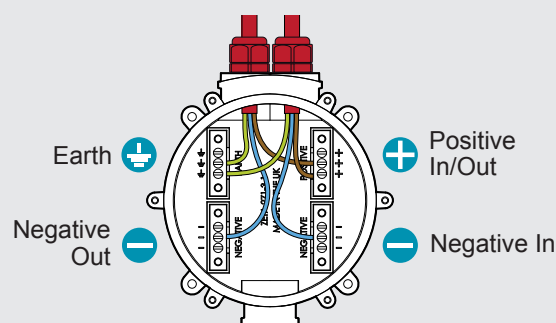
The Raptor conventional sounder is a large weatherproof horn sounder suitable for many indoor & outdoor applications.

It is available in red or white and has a selection of 22 tones. Termination of field wiring is made to the backbox for a clean first fix.

Features

- Complies with EN54 Part 3 Type B
- 107dB +/- 3dB @ 1m sound output
- 22 Tone patterns (site selectable)
- Suitable for surface mounting only
- Housed in UL V0 flame retardant ABS
- 3 x 20mm cable entries (2 top, 1 bottom)
- First fix, wire to back box technology
- IP65 Rating (certified to IP33C)

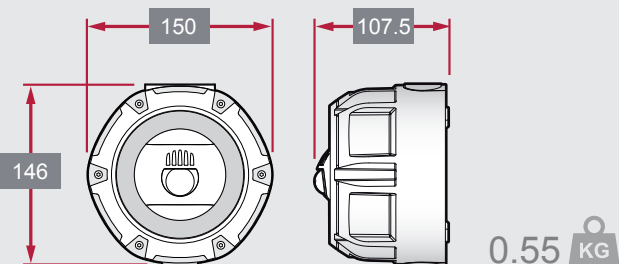
First Fix



Raptor Conventional Weatherproof Sounder Beacon (ZRPB/R & ZRPB/W)



Dimensions & Weight



Technical Specification

Model	ZRPB/R	ZRPB/W
Part No.	42-632	42-633
Voltage	17 - 30V DC	
Current @ 30V DC	70mA Max	
Flash Colour	White	White
Flash Frequency	0.5Hz	
Body Colour	Red	White
Sounder Type	B	
IP Rating	IP65 (certified to IP33C)	
Operating Temperature	-25°C to 70°C	
Sound Output @ 1m	*107dB +/- 3dB	
Size mm (with back box)	150 x 146 x 107.5	
Weight	550g	

* This applies to 'TONE 0' 800Hz and 970Hz, 500ms each

Description

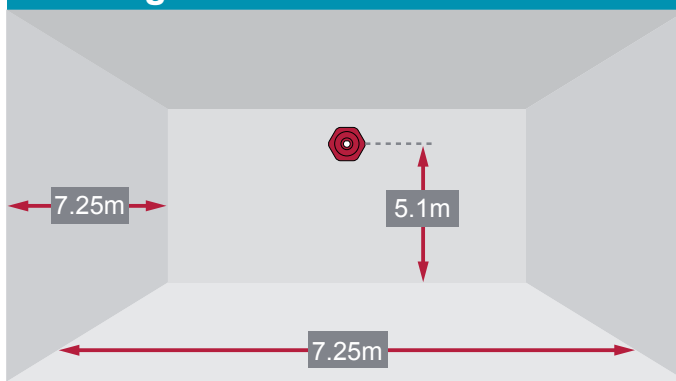
The Raptor conventional sounder with beacon has a coverage pattern of W 5.1 - 7.25 and the sounder part has 22 selective tones.

It has been designed to make an "electronics free" first fix and is available in red or white.

Features

- Complies with EN54 Pt 3 Type B & EN54 Pt 23
- 107dB +/- 3dB @ 1m sound output
- 22 Tone patterns (site selectable)
- Suitable for surface mounting only
- Housed in UL V0 flame retardant ABS
- 3 x 20mm cable entries (2 top, 1 bottom)
- First fix, wire to back box technology
- Flashing rate 0.5Hz

Coverage



24V 6" Fire Alarm Bell

(ZT-BELL/6, ZT-BELL/6/D & ZT-BELL/6/WP)



Description

Zeta introduces a new 6 " bell with a modern construction including an aluminium gong with high db output and a moderate current consumption.

The new ZT-BELL/6 is available in both indoor and outdoor versions with very stylish termination box to allow access to back box without using special tools.

This new range with its output replaces the need for 8" bell.

Features

- Permanently fitted gong
- Specifically designed weatherproof back box
- Mounting options for European, Asian and US style installations
- Slick and modern looking
- Aluminium Gong
- Low current consumption
- Made in the United Kingdom

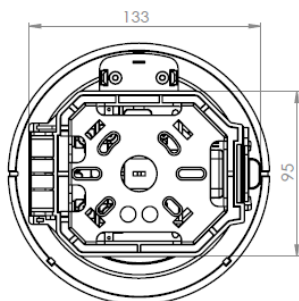
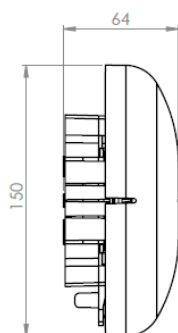
Specification

	ZT-BELL/6	ZT-BELL/6/D	ZT-BELL/6/WP
	Shallow Base	Deep Base	W/P Base
Rated Voltage (V)	20.4 - 27.6		
Rated Current @ 24V (mA)	12		
Starting Voltage (V)	11		
Sound Output dB(A) @ 1m (max)	96.0		
Temperature Range (C°)	-10 - +50	-25 - +70	
Humidity Range (%)	96 %		
Weight	378 g	497 g	499 g
Gong Colour	Red		
Gong Construction	Aluminium		
IP Rating	IP21C	IP33C	IP56 Cat2*2

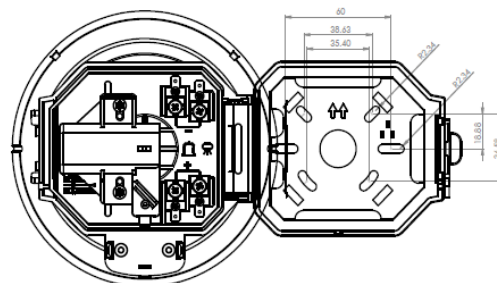
*2 Weatherproofing not approved by LPCB, tested by Intertek

Description

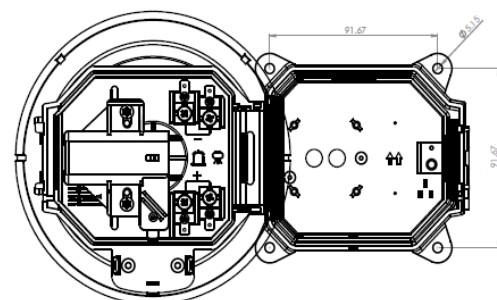
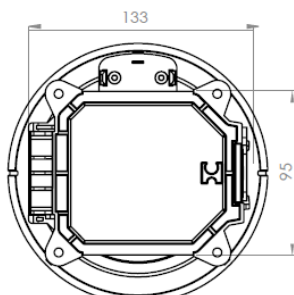
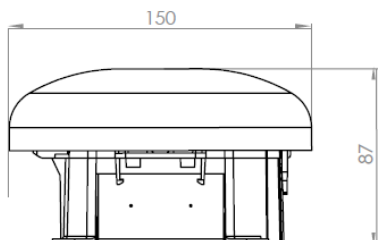
Shallow Base



Dimensions (mm)

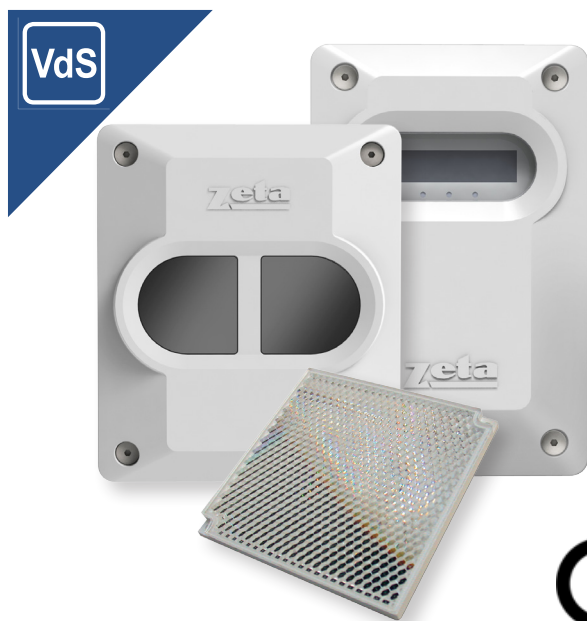


Deep Base



Zeta Beam Xtra Motorised Reflective Optical Beam Smoke Detector

(ZT-BEAM/XTRA, ZT-BEAM/KIT140, ZT-BEAM/KIT160)



ZT-BEAM/XTRA

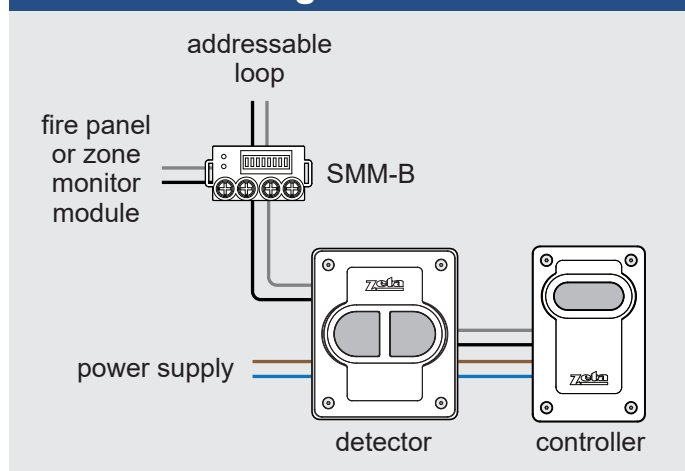


Description

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 open 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 Zeta Beam Xtra unreliability is no longer a problem. The ZT-BEAM/XTRA 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 12
- ✓ Compatible with most major fire panels
- ✓ Very low power consumption
- ✓ Uses only 3mA at all times
- ✓ Vds Approved

Additional System Components

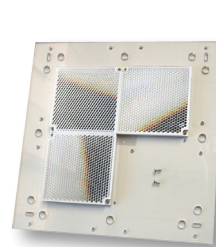
- ✓ ZT-BEAM/KIT140 Mid range kit for distances between 70 and 140 metres.
- ✓ ZT-BEAM/KIT160 Long range kit for distances between 140 and 160 metres.

Order Information

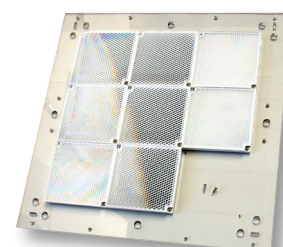
For 70m Beam	ZT-BEAM/XTRA
For 140m Beam	ZT-BEAM + KIT/140
For 160m Beam	ZT-BEAM + KIT/160
For Zone Monitor Module	ZAZM-MI

Special Mini Module (SMM-B)

This module (part no. 48-128) allows the Zeta Beam - auto aligning beam detector to be connected to an addressable loop (Max 16 per loop)



ZT-BEAM/KIT140



ZT-BEAM/KIT160

Model	ZT-BEAM/XTRA		ZT-BEAM/KIT140	ZT-BEAM/KIT160
Supply Voltage	10.. to 30 VDC			
Supply Current	3.5mA (constant current) in all operational states			
Constant Current	17mA (constant current) in fast commissioning			
Temperature	-10°C to +55°C			
Humidity	10 to 95% RH Non-condensing			
Protection Index	IP65 when suitably mounted and terminated			
Dimensions	Head: (H) 180mm (W) 155mm (D) 137mm	Controller: (H) 185mm (W) 120mm (D) 62mm	(H) 293mm x (W) 293mm x (D) 5mm	(H) 394mm x (W) 394mm x (D) 5mm
Weight	1.1kg	0.55kg	0.8kg	1.8kg
Optical Wavelength	870nm			
Maximum Angular Alignment	±5°			
Maximum Angular Misalignment (static not auto-aligning)	(Static not auto-aligning) Beam Head ±0.75° Reflector ±2°			
Protection Range	7 - 70 metres	70 - 140 metres	140 - 160 metres	
Alarm Sensitivity Levels	25%(1.25dB) to 50%(3dB) in 1%(0.05dB) increments (default 35% (1.87dB))			
Alarm Condition	Obscuration drops to below pre-defined sensitivity level. Time to Alarm Condition adjustable 2 to 30 seconds in 1 second increments (default 10 seconds)			
Alarm Indication	Controller Status – FIRE			
	Controller Red Flashing LED			
	Head Red Flashing LED			
	Alarm Relay Change Over (CO) Contact			
	Rating 2A @ 30 VDC			
Test/Reset Features	Beam test function by controller			
	Alarm latching/auto-reset selectable (default auto-reset)			
	Alarm reset in latching mode by controller reset function, removing power for >5 seconds, apply 12 to 24 VDC to reset connections in Beam Head.			
Fault Sensitivity Level	90%			
Fault Condition	Obscuration drops to below the fault sensitivity level within 1 second Power Down or Supply Voltage < 9 VDC Commissioning modes, Pre-Alignment and Auto Alignment Beam turned off during Beam Maintenance Time to Fault Condition adjustable, 2 to 60 seconds in 1 second increments (default 10 seconds)			
Fault Indication	Controller Status – FAULT Controller Yellow Flashing LED 1 Second Head Yellow Flashing LED 1 Second Fault Relay Change Over (CO) Contact Rating 2A @ 30 VDC			
Normal Condition	Obscuration level is above the Alarm sensitivity level Controller Status – NORMAL Controller Green Flashing LED Programmable on/off Head Green Flashing LED Programmable on/off			
Auto-align/Beam Contamination Compensation	Auto-align during normal operation if obscuration drops below 90% for the duration of the align time set (doesn't effect normal operating mode) Beam Contamination Compensation 4 hour monitoring. Compensation data available at the controller			

Fyreye Conventional Ultra-Violet Flame Detector (FEUV2000)



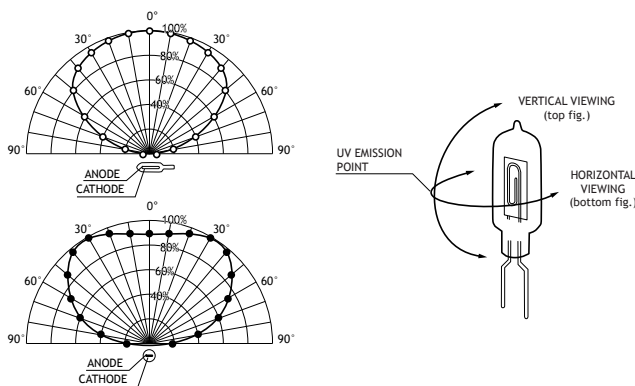
Description

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.

The detector is for indoor use only and should not be exposed to spurious sources of UV, such as sparks, uncovered halogen lights, lightening, etc. as these may trigger a false alarm.

Due to the operational nature of flame detectors it is generally recommended to fit just one detector per zone.

Detector Field of View



Features

- Low profile shape
- The detector is solar blind and incorporates an electronic filter to eliminate unwanted alarms from naturally occurring phenomena
- Fast response time
- High immunity to electrical noise & RF interference

Technical Specification

Model	FEUV2000
Part No.	80-045
Detector Class	Ultra Violet Flame Detector
Operating Voltage	12-28V DC
Quiescent Current	320µA
Alarm Current @ 24V DC	45-50mA
Operating Temperature	0°C to 45°C
Minimum Continuous Temperature	0°C
Maximum Humidity	95% RH non-condensing
Alarm Condition	10 seconds for 30mm flame @ 4 metres
Detection Angle	120°
UV Sensitivity	185-260nm
Size (with Base)	98 x 36mm (98 x 52mm)
Weight (with Base)	85g (143g)

Smart Connect Multi-Loop (SMART6/32)



Description

The SMART6 Multi-loop is a powerful and sophisticated Analogue Addressable Fire Alarm Control Panel that offers a variety of modular components which allow it to meet a wide variety of applications.

The graphical touch screen provides a clear, uncluttered and intuitive interface which results in the end user requiring minimal training.

The control panel has the capability to support complex cause and effect programming and a wide range of user controllable functions that make the panel suitable for a vast range of projects from multi-site commercial developments through to industrial applications.

It can operate as part of a networked system of up to 64 panel's peer-to-peer, or a standalone panel. It has powerful programming options that allow configurable control over whether messages from specific panels are transmitted around the network or remain local.

Each system component has been specifically designed to operate as part of a Smart Multi-loop EN54 listed system providing assurance that the detectors, interfaces, sounders, and panel are all fully compatible with each other and that the full range of system functionality is supported by all devices.



Features

- ✓ Modular construction allows a panel to be specified using just the required modules.
- ✓ Up to 4 loop card modules.
- ✓ 4.3" colour touch screen display.
- ✓ Capacity for up to 6 intelligent modules.
- ✓ Full system redundancy.
- ✓ Connection to TCP/IP Module.
- ✓ Extensive Day/Night mode programming.
- ✓ Full cause and effect programming via front panel or the Smart configurator PC software.
- ✓ 8032 event log entries.
- ✓ using multiple zone monitor modules, the panel can be configured into a fully functioning conventional panel.
- ✓ 250 fyreye MKII devices per loop.
- ✓ 254 addressable programmable zones.
- ✓ Up to 64 panel peer-to-peer network.
- ✓ Positive Alarm Sequence.
- ✓ Alarm Verification
- ✓ Day/night (Building occupied/unoccupied) programming.
- ✓ Alarm circuit special application 24V mode.
- ✓ 15A Power Supply.

Smart Connect Multi-Loop (SMART6/32)



Technical Specification

Code

Description	Intelligent Addressable Control Panel
Standard	EN54-2 & EN54-4

Main Primary Supply

Mains AC Supply Voltage	120/240 VAC
Mains AC Supply Frequency	50/60 Hz
Power Supply DC Rating	30VDC 400W 15A

Battery Secondary Supply

Battery Voltage	24VDC
Battery Charge Current	1.1A (max)
Battery Capacity	2 x 12Ah, 12VDC sealed lead acid (max)

Alarm Circuits (SCM-ACM)

Output Voltage	24VDC Nominal
Maximum Alarm Circuit Current	2 x 500mA (max)
Maximum Line Impedance	3.6Ω (1.8Ω per core)
Wiring Class	Class B [Power limited & Supervised]
Special Applications	Auxiliary 24VDC Output [Power limited & Unsupervised]

Detection Loop (SCM-LCM)

Circuit Voltage	28V + 9V Data (Nominal)
Maximum Loop Current	450mA
Maximum Loop Capacity	250 Addresses
Maximum Loop Resistance	25Ω per core @ 200mA / 10Ω per core @ 450mA
Maximum Loop Capacitance	500nF

Termination Board Relay Outputs

Alarm	(C,NO,NC) Contact rating: 125VAC @ 0.5A / 30VDC @ 1A
Fault	Normally Energised (C,NO,NC) Contact rating: 125VAC @ 0.5A / 30VDC @ 1A

Network

Maximum Network Size	64 Nodes
Maximum Distance Between Nodes	1KM

Software

Maximum Software Zones	254 Zones
Maximum Event Log	8032 Events
Software Programming	Touchscreen LCD or Smart Configurator PC software

Display

LCD	4.3" Resistive touch screen. 480 x 272 pixel resolution
LED Indicators	1 Red (1 x Alarm), 1 Green (Power), 10 Yellow (1 x Sounder Active, 1 x Sounder Fault, 1 x Fault, 1 x Relay Delay, 1 x Controls Active, 1 x General Disablement, 1 x General Test, 1 x Sounder Disablement, 1 x Sounder Delay, 1 x System Fault).
Button Controls	Stop Sounders, Silence Buzzer, Scroll Display, Reset, Start Sounders

Smart Connect Multi-Loop (SMART6/32)

Technical Specification

Enclosure

Dimensions H x W x D (mm)	535mm x 385mm x 150mm
Weight	9KG
Cable Entries	34
Max Module Capacity	6

Environmental

Operating Temperature	-5°C (23°F) to 40°C (104°F)
Relative Humidity	93% Non-Condensing

Module List

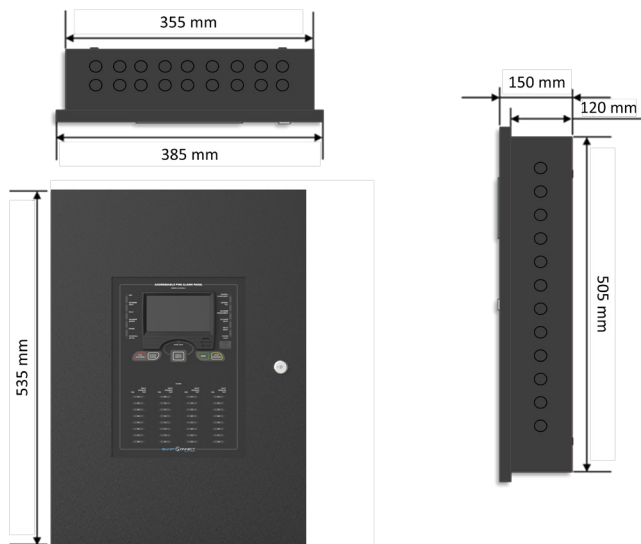
Description	Code
Loop Card Module	SCM-LCM
Alarm Circuit Module	SCM-ACM
Multi Relay Module	SCM-RM
RS485 Network Module	SCM-NM
Multi Input Module	SCM-MIM
Zone Monitor Module	SCM-ZMM
*RS232 Printer Module	SCM-PM
Ethernet TCP/IP Module	SCM-LAN

*Only available on SMART10/P & SMART26/P Versions

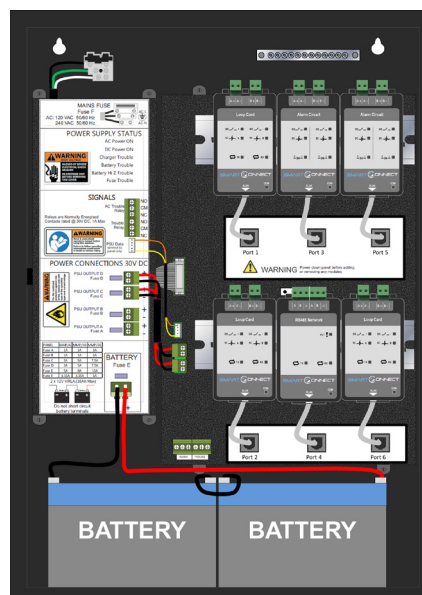
Product Codes

Description	Code
SMART6 Multi-loop Addressable Control Panel	SMART6
SMART6 Multi-loop Addressable Control Panel w/ 32 Zone LED	SMART6/32

Dimensions



Panel Interior View



Benefits

- ✓ Troubleshooting and programming time minimised by utilising a range of features such as loop auto search, walk test, detailed system menu's etc.
- ✓ Full system redundancy.
- ✓ Menu driven graphical touch screen user interface for ease of operation.
- ✓ Supports a comprehensive range of DIN mounted panel modules and devices for greater flexibility in design.
- ✓ Available in a variety of different panel enclosure sizes to better suit a sites requirements.
- ✓ Touch screen full functioning repeater available (SMART/REP).

Smart Connect Multi-Loop (SMART10)



Description

The SMART10 Multi-loop is a powerful and sophisticated Analogue Addressable Fire Alarm Control Panel that offers a variety of modular components which allow it to meet a wide variety of applications.

The graphical touch screen provides a clear, uncluttered and intuitive interface which results in the end user requiring minimal training.

The control panel has the capability to support complex cause and effect programming and a wide range of user controllable functions that make the panel suitable for a vast range of projects from multi-site commercial developments through to industrial applications.

It can operate as part of a networked system of up to 64 panel's peer-to-peer, or a standalone panel. It has powerful programming options that allow configurable control over whether messages from specific panels are transmitted around the network or remain local.

Each system component has been specifically designed to operate as part of a Smart Multi-loop EN54 listed system providing assurance that the detectors, interfaces, sounders, and panel are all fully compatible with each other and that the full range of system functionality is supported by all devices.



Features

- ✓ Modular construction allows a panel to be specified using just the required modules.
- ✓ Up to 6 loop card modules.
- ✓ 4.3" colour touch screen display.
- ✓ Capacity for up to 10 intelligent modules.
- ✓ Full system redundancy.
- ✓ Connection to TCP/IP Module.
- ✓ Extensive Day/Night mode programming.
- ✓ Full cause and effect programming via front panel or the Smart configurator PC software.
- ✓ 8032 event log entries.
- ✓ using multiple zone monitor modules, the panel can be configured into a fully functioning conventional panel.
- ✓ 250 fyreye MKII devices per loop.
- ✓ 254 addressable programmable zones.
- ✓ Up to 64 panel peer-to-peer network.
- ✓ Positive Alarm Sequence.
- ✓ Alarm Verification
- ✓ Day/night (Building occupied/unoccupied) programming.
- ✓ Alarm circuit special application 24V mode.
- ✓ 15A Power Supply.

Smart Connect Multi-Loop (SMART10)



Technical Specification

Code

Description	Intelligent Addressable Control Panel
Standard	EN54-2 & EN54-4

Main Primary Supply

Mains AC Supply Voltage	120/240 VAC
Mains AC Supply Frequency	50/60 Hz
Power Supply DC Rating	30VDC 400W 15A

Battery Secondary Supply

Battery Voltage	24VDC
Battery Charge Current	2.2A (max)
Battery Capacity	2 x 38Ah, 12VDC sealed lead acid (max)

Alarm Circuits (SCM-ACM)

Output Voltage	24VDC Nominal
Maximum Alarm Circuit Current	2 x 500mA (max)
Maximum Line Impedance	3.6Ω (1.8Ω per core)
Wiring Class	Class B [Power limited & Supervised]
Special Applications	Auxiliary 24VDC Output [Power limited & Unsupervised]

Detection Loop (SCM-LCM)

Circuit Voltage	28V + 9V Data (Nominal)
Maximum Loop Current	450mA
Maximum Loop Capacity	250 Addresses
Maximum Loop Resistance	25Ω per core @ 200mA / 10Ω per core @ 450mA
Maximum Loop Capacitance	500nF

Termination Board Relay Outputs

Alarm	(C,NO,NC) Contact rating: 125VAC @ 0.5A / 30VDC @ 1A
Fault	Normally Energised (C,NO,NC) Contact rating: 125VAC @ 0.5A / 30VDC @ 1A

Network

Maximum Network Size	64 Nodes
Maximum Distance Between Nodes	1KM

Software

Maximum Software Zones	254 Zones
Maximum Event Log	8032 Events
Software Programming	Touchscreen LCD or Smart Configurator PC software

Display

LCD	4.3" Resistive touch screen. 480 x 272 pixel resolution
LED Indicators	1 Red (1 x Alarm), 1 Green (Power), 10 Yellow (1 x Sounder Active, 1 x Sounder Fault, 1 x Fault, 1 x Relay Delay, 1 x Controls Active, 1 x General Disablement, 1 x General Test, 1 x Sounder Disablement, 1 x Sounder Delay, 1 x System Fault).
Button Controls	Stop Sounders, Silence Buzzer, Scroll Display, Reset, Start Sounders

Smart Connect Multi-Loop (SMART10)

Technical Specification

Enclosure

Dimensions H x W x D (mm)	665mm x 535mm x 200mm
Weight	15KG
Cable Entries	38
Max Module Capacity	10

Environmental

Operating Temperature	-5°C (23°F) to 40°C (104°F)
Relative Humidity	93% Non-Condensing

Module List

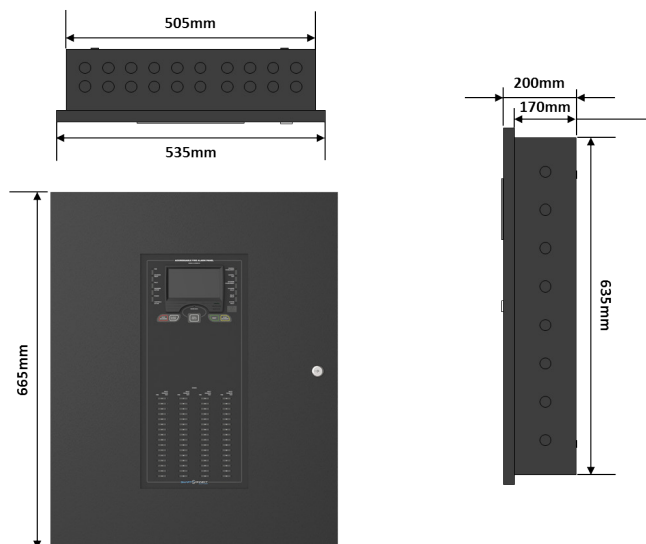
Description	Code
Loop Card Module	SCM-LCM
Alarm Circuit Module	SCM-ACM
Multi Relay Module	SCM-RM
RS485 Network Module	SCM-NM
Multi Input Module	SCM-MIM
Zone Monitor Module	SCM-ZMM
*RS232 Printer Module	SCM-PM
Ethernet TCP/IP Module	SCM-LAN

*Only available on SMART10/P & SMART26/P Versions

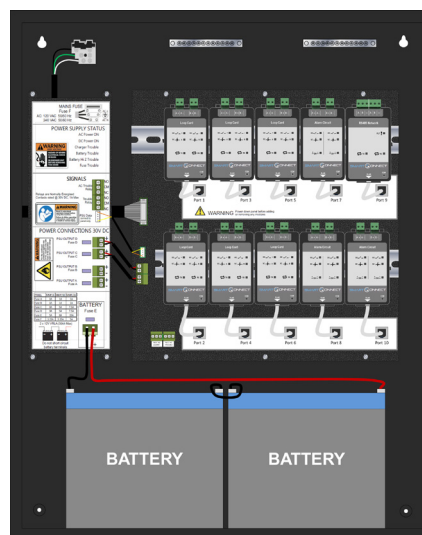
Product Codes

Description	Code
SMART10 Multi-loop Addressable Control Panel w/ 64 Zone LED	SMART10/64
SMART10 Multi-loop Addressable Control Panel w/ 64 Zone LED & Printer	SMART10/64/P

Dimensions



Panel Interior View



Benefits

- ✓ Troubleshooting and programming time minimised by utilising a range of features such as loop auto search, walk test, detailed system menu's etc.
- ✓ Full system redundancy.
- ✓ Menu driven graphical touch screen user interface for ease of operation.
- ✓ Supports a comprehensive range of DIN mounted panel modules and devices for greater flexibility in design.
- ✓ Available in a variety of different panel enclosure sizes to better suit a sites requirements.
- ✓ Touch screen full functioning repeater available (SMART/REP).

Smart Connect Multi-Loop (SMART26)



Description

The SMART26 Multi-loop is a powerful and sophisticated Analogue Addressable Fire Alarm Control Panel that offers a variety of modular components which allow it to meet a wide variety of applications.

The graphical touch screen provides a clear, uncluttered and intuitive interface which results in the end user requiring minimal training.

The control panel has the capability to support complex cause and effect programming and a wide range of user controllable functions that make the panel suitable for a vast range of projects from multi-site commercial developments through to industrial applications.

It can operate as part of a networked system of up to 64 panel's peer-to-peer, or a standalone panel. It has powerful programming options that allow configurable control over whether messages from specific panels are transmitted around the network or remain local.

Each system component has been specifically designed to operate as part of a Smart Multi-loop EN54 listed system providing assurance that the detectors, interfaces, sounders, and panel are all fully compatible with each other and that the full range of system functionality is supported by all devices.



Features

- ✓ Modular construction allows a panel to be specified using just the required modules.
- ✓ Up to 12 loop card modules.
- ✓ 4.3" colour touch screen display.
- ✓ Capacity for up to 26 intelligent modules.
- ✓ Full system redundancy.
- ✓ Connection to TCP/IP Module.
- ✓ Extensive Day/Night mode programming.
- ✓ Full cause and effect programming via front panel or the Smart configurator PC software.
- ✓ 8032 event log entries.
- ✓ using multiple zone monitor modules, the panel can be configured into a fully functioning conventional panel.
- ✓ 250 fyreye MKII devices per loop.
- ✓ 254 addresssable programmable zones.
- ✓ Up to 64 panel peer-to-peer network.
- ✓ Positive Alarm Sequence.
- ✓ Alarm Verification
- ✓ Day/night (Building occupied/unoccupied) programming.
- ✓ Alarm circuit special application 24V mode.
- ✓ 15A Power Supply.

Smart Connect Multi-Loop (SMART26)



Technical Specification

Code

Description	Intelligent Addressable Control Panel
Standard	EN54-2 & EN54-4

Main Primary Supply

Mains AC Supply Voltage	120/240 VAC
Mains AC Supply Frequency	50/60 Hz
Power Supply DC Rating	30VDC 400W 15A

Battery Secondary Supply

Battery Voltage	24VDC
Battery Charge Current	2.2A (max)
Battery Capacity	2 x 38Ah, 12VDC sealed lead acid (max)

Alarm Circuits (SCM-ACM)

Output Voltage	24VDC Nominal
Maximum Alarm Circuit Current	2 x 500mA (max)
Maximum Line Impedance	3.6Ω (1.8Ω per core)
Wiring Class	Class B [Power limited & Supervised]
Special Applications	Auxiliary 24VDC Output [Power limited & Unsupervised]

Detection Loop (SCM-LCM)

Circuit Voltage	28V + 9V Data (Nominal)
Maximum Loop Current	450mA
Maximum Loop Capacity	250 Addresses
Maximum Loop Resistance	25Ω per core @ 200mA / 10Ω per core @ 450mA
Maximum Loop Capacitance	500nF

Termination Board Relay Outputs

Alarm	(C,NO,NC) Contact rating: 125VAC @ 0.5A / 30VDC @ 1A
Fault	Normally Energised (C,NO,NC) Contact rating: 125VAC @ 0.5A / 30VDC @ 1A

Network

Maximum Network Size	64 Nodes
Maximum Distance Between Nodes	1KM

Software

Maximum Software Zones	254 Zones
Maximum Event Log	8032 Events
Software Programming	Touchscreen LCD or Smart Configurator PC software

Display

LCD	4.3" Resistive touch screen. 480 x 272 pixel resolution
LED Indicators	1 Red (1 x Alarm), 1 Green (Power), 10 Yellow (1 x Sounder Active, 1 x Sounder Fault, 1 x Fault, 1 x Relay Delay, 1 x Controls Active, 1 x General Disablement, 1 x General Test, 1 x Sounder Disablement, 1 x Sounder Delay, 1 x System Fault).
Button Controls	Stop Sounders, Silence Buzzer, Scroll Display, Reset, Start Sounders

Smart Connect Multi-Loop (SMART26)

Technical Specification

Enclosure

Dimensions H x W x D (mm)	665mm x 975mm x 200mm
Weight	27KG
Cable Entries	114
Max Module Capacity	26

Environmental

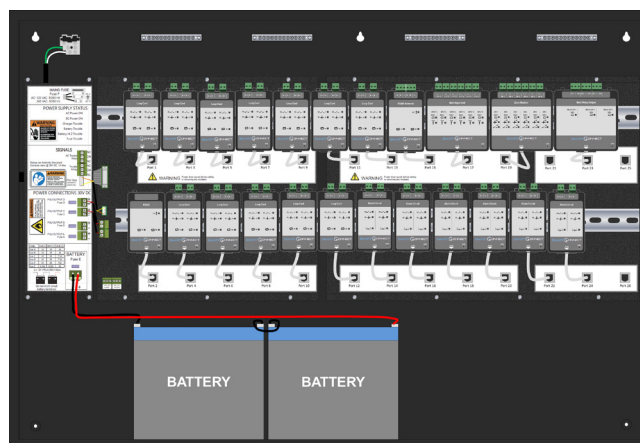
Operating Temperature	-5°C (23°F) to 40°C (104°F)
Relative Humidity	93% Non-Condensing

Module List

Description	Code
Loop Card Module	SCM-LCM
Alarm Circuit Module	SCM-ACM
Multi Relay Module	SCM-RM
RS485 Network Module	SCM-NM
Multi Input Module	SCM-MIM
Zone Monitor Module	SCM-ZMM
*RS232 Printer Module	SCM-PM
Ethernet TCP/IP Module	SCM-LAN

*Only available on SMART10/P & SMART26/P Versions

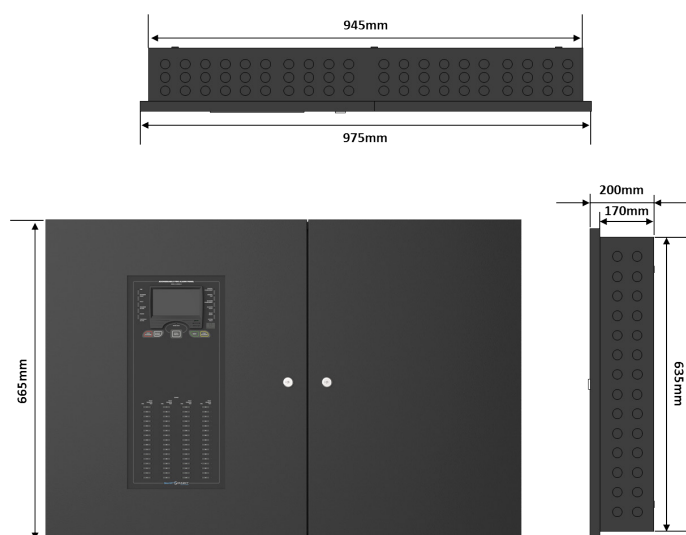
Panel Interior View



Product Codes

Description	Code
SMART26 Multi-loop Addressable Control Panel w/ 64 Zone LED	SMART26/64
SMART26 Multi-loop Addressable Control Panel w/ 64 Zone LED & Printer	SMART26/64/P

Dimensions



Benefits

- ✓ Troubleshooting and programming time minimised by utilising a range of features such as loop auto search, walk test, detailed system menu's etc.
- ✓ Full system redundancy.
- ✓ Menu driven graphical touch screen user interface for ease of operation.
- ✓ Supports a comprehensive range of DIN mounted panel modules and devices for greater flexibility in design.
- ✓ Available in a variety of different panel enclosure sizes to better suit a sites requirements.
- ✓ Touch screen full functioning repeater available (SMART/REP).

Smart Connect Multi-loop Repeater (SMART/REP)



Description

The Smart Multi-loop Repeater can be used to monitor, operate and program Smart Multi-loop control panels (FACPs) from anywhere within the networked system.

The repeater features a 4.3" colour touch screen display that provides easy-to understand system messages. The repeater is ergonomically designed with an LED, button and menu setup that perfectly replicates a Smart Multi-loop control panel. This will make the repeater feel familiar to use for those who are trained/experienced in using the Smart M multi-loop system.

It can operate as part of a networked system of up to 64 panels' peer-to-peer, with powerful programming options that allow configurable control over whether messages from specific panels are transmitted around the network or remain local.

The Smart Multi-loop Repeater is supplied with a black finish to match virtually any décor. The repeater enclosure can be surface or flush mounted.



Features

- ✓ 4.3" colour touch screen display.
- ✓ 8032 Event Log.
- ✓ Up to 64 panel peer-to-peer network.
- ✓ 13 status LED indicators.
- ✓ 5 function button controls.
- ✓ Fully functioning repeater provides the ability to program a networked Smart Multi-loop control panel from the front screen.
- ✓ Accommodates wiring lengths up to 1000 metres from the control panel for added design and install flexibility.
- ✓ Network can be wired in either a bus or a ring topology if a redundant path is required.
- ✓ 8 password protected access accounts available (1 admin level, 7 user level).
- ✓ Uncluttered and intuitive interface allows alarms, tech alarms, and fault events to be easily viewed.
- ✓ Low power consumption.
- ✓ Small enclosure.

Smart Connect Multi-loop Repeater (SMART/REP)



Technical Specification

Electrical

Operational Voltage	28VDC
Quiescent Current	78mA
Maximum Current	100mA

Network

Communication Protocol	RS485
Maximum Network Size	64 Nodes
Maximum Distance Between Nodes	1KM (using a screened data cable) 100m (using a standard fireproof cable)
Network Wiring Typologies	Bus Ring (recommended)

Display

LC Screen	4.3" Resistive touch screen. 480 x 272 pixel resolution
LED Indicators	2 Red (1 x Fire, 1 x Sounder Active), 1 Green (Power), 10 Yellow (1 x Relay Delay, 1 x Fault, 1 x Sounder Delay, 1 x Controls Active, 1 x General Disablement, 1 x General Test, 1 x Sounder Fault/Disablement, 1 x Sounder Delay 1 x System Fault, 1 x More Data).
Function Button Controls	Stop Sounders, Silence Buzzer, Scroll Display, Reset, Start Sounders

Enclosure

Dimensions H x W x D (mm)	230mm x 340mm x 96mm
Weight	2.3KG
Cable Entries	5
Terminal Wiring Size	28-12 AWG
Material	Zintec
Colour	RAL9005

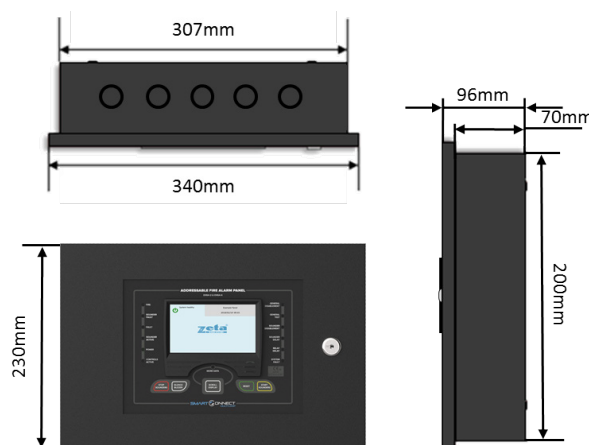
Environmental

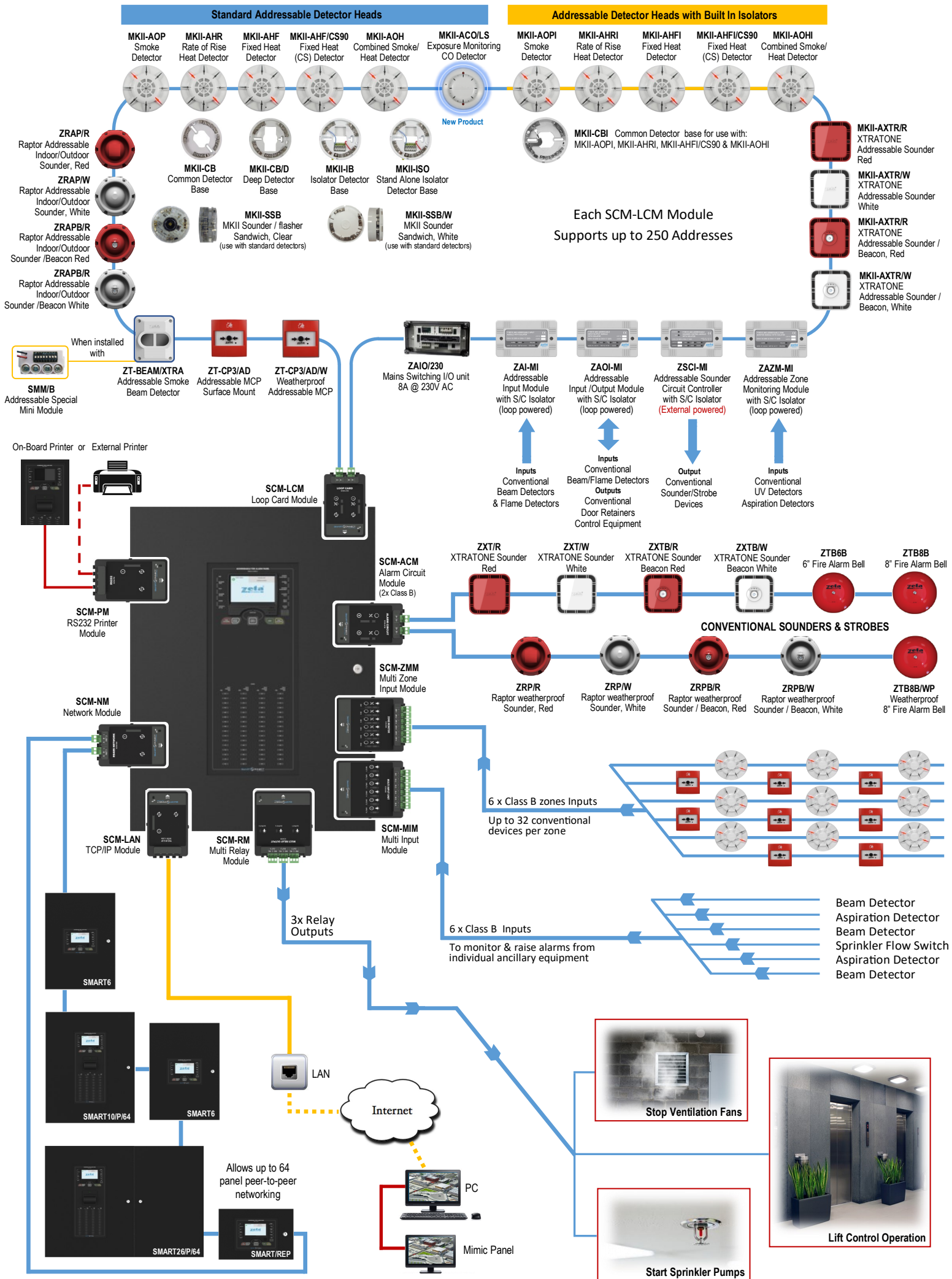
Operating Temperature	-5°C (23°F) to 40°C (104°F)
Relative Humidity	93% Non-condensing

Product Codes

Description	Codes
Smart Connect Multi-loop Repeater	SMART/REP

Product Codes





SmartConnect Touchscreen 1 Loop Addressable Fire Alarm Panel



NEW

Description

The SmartConnect is a fully featured single loop addressable fire alarm panel with a user friendly 4.3 inch touch screen display and remote monitoring via a desktop PC or smartphone via the cloud.

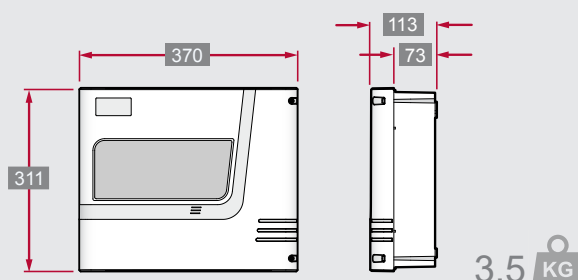
The panel is housed in an attractive, modern designed, flame retardant ABS enclosure, utilising a switch mode power supply and has a fully removable front cover which improves ease of access for cable installations. Up to 64 panels can be networked (pier to pier) with no additional network cards.

Features

- ✓ 4.3 inch colour touch screen display
- ✓ Remote monitoring via a desktop PC or smartphone via the cloud
- ✓ Easy to use configuration software
- ✓ Full cause & effect programming via front panel or PC
- ✓ 250 Zeta MKII protocol devices per loop
- ✓ 250 available zones, 16 with LED indication
- ✓ Built-in TCP-IP output
- ✓ Up to 8 password protected users
- ✓ Meets all requirements of latest EN54 parts 2 & 4
- ✓ Extensive Day/Night mode programming
- ✓ Built-in network facility
- ✓ 2 programmable local inputs
- ✓ 2 sounder circuits
- ✓ Fire & fault relays

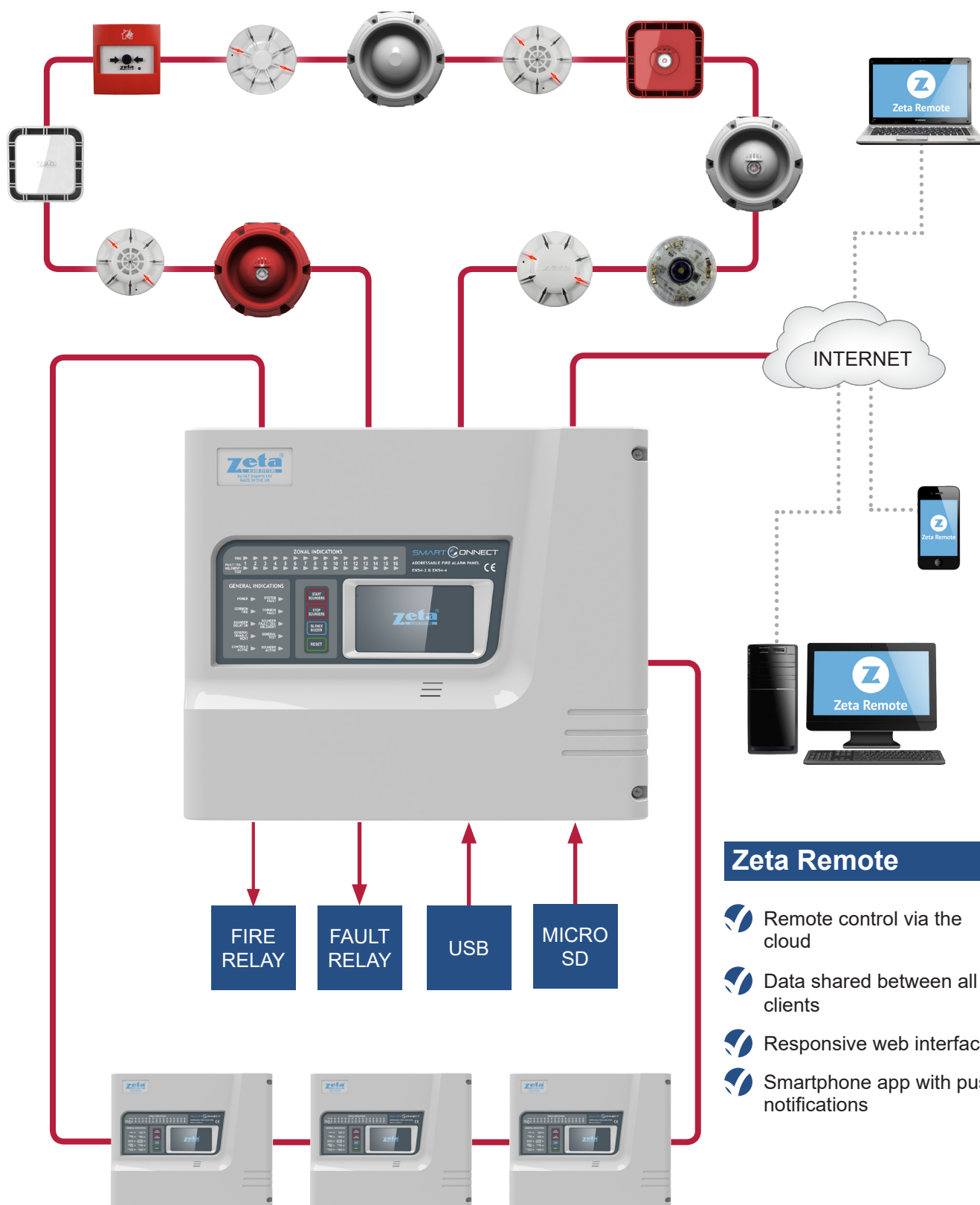


Dimensions (mm) & Weight (Kg)



Technical Specification

Model	SMART1
Part No	37-350
Mains Voltage	230V AC +10% / -15% @ 50/60 Hz
System Voltage	24V DC (Nominal)
Loop Current	500mA
Sounder Alarm Output	2 x 200mA @ 24V DC
Fault Relay	1 x Volt Free Relay, SELV @ 1A Max
Fault Relay	1 x Volt Free Relay, SELV @ 1A Max
Loop Capacity	250 MKII devices
Charger Voltage	27.6V
Battery cut off	Battery voltage less than 20V
Battery Internal Resistance limit	2.0 ohm
Enclosure size	370 x 311 x 113 (mm)
Weight	3.5Kg
Maximum battery space	2 x 7.0 Ah, 12 Vdc sealed lead acid
IP Rating	IP30



Zeta Remote

- ✓ Remote control via the cloud
- ✓ Data shared between all clients
- ✓ Responsive web interface
- ✓ Smartphone app with push notifications

UP TO 64 NODES

Simplicity Plus Addressable Fire Alarm System

(SP-64, SP-126, SP-252/M & SP-252/P)



Description

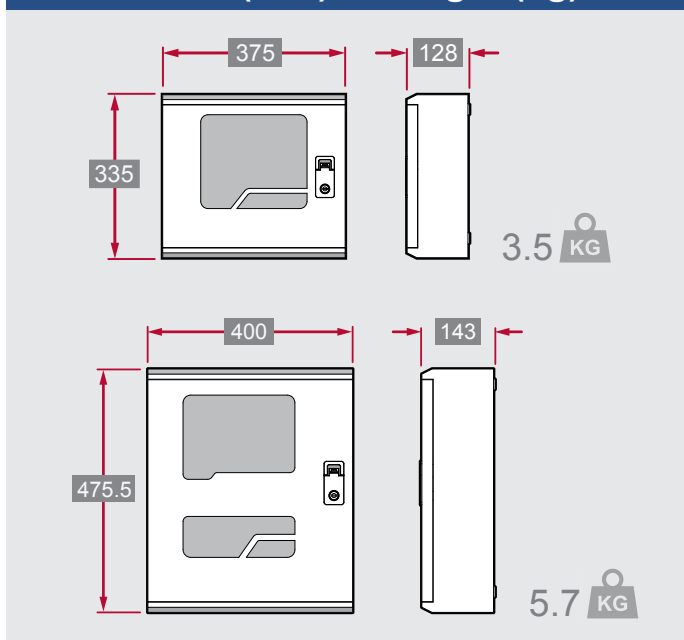
The Simplicity Plus is the ideal introduction to the world of addressable fire alarm panels.

As its name suggests, it has been designed with ease of use in mind, using pre-programmed values for its programming options. The installer simply needs to configure the loop and enter text labels via the built in keypad (optional).

The Simplicity Plus has user definable zones, option for zonal or common alarm operation, options for I/O operation, alarm verification and user selectable languages.

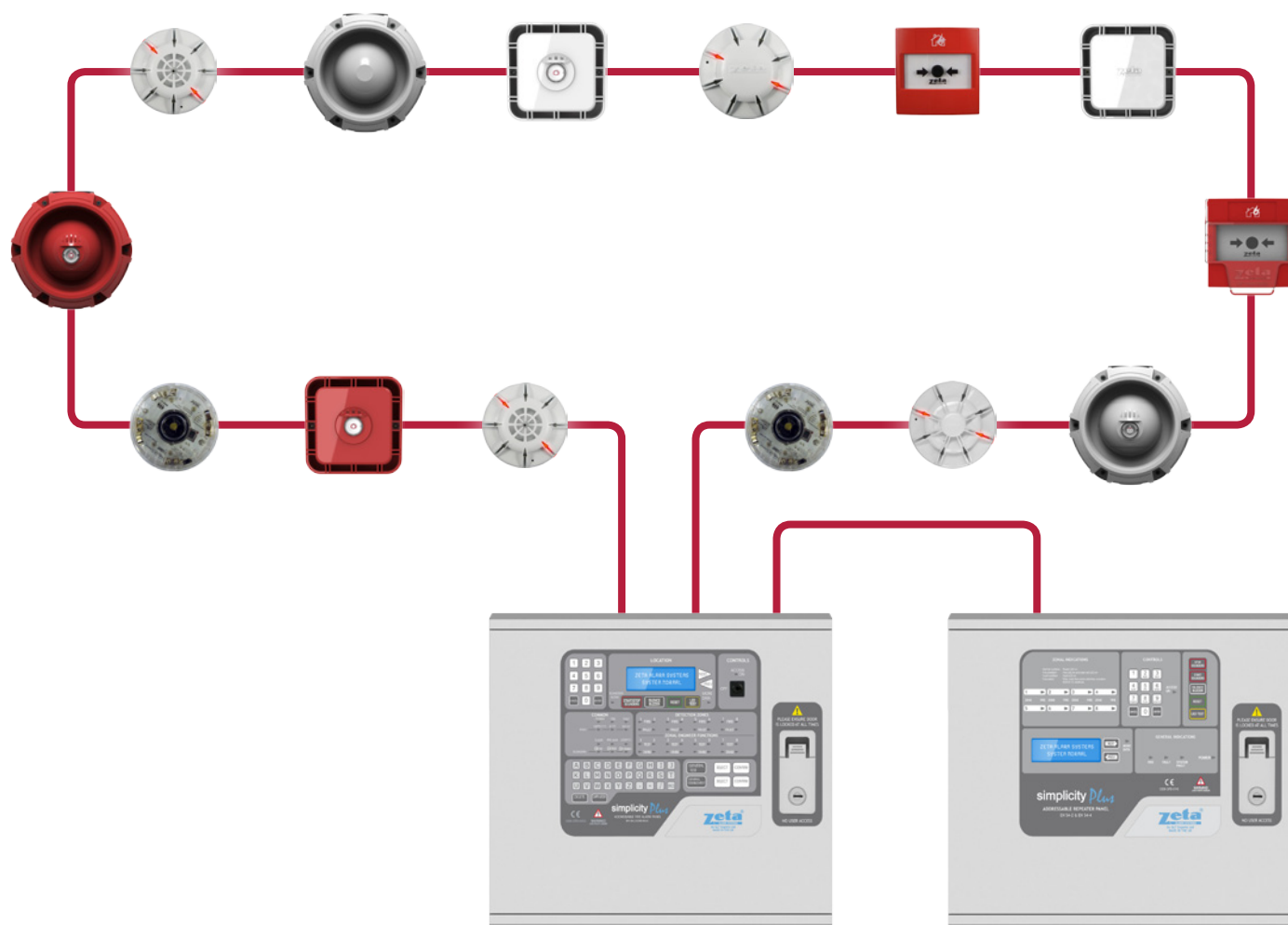
It can be connected to an RS232 desktop printer for real time event log printing (Epson LQ300+ recommended) and it can also drive a serial repeater model SP/REP (Part No. 37-179).

Dimensions (mm) & Weight (kg)



Features

- ✓ One or Two loop addressable fire alarm panel (64, 126 or 252 device capacity)
- ✓ Certified to EN54 parts 2 & 4
- ✓ User definable zones
- ✓ Option for zonal or common alarm operation
- ✓ Options for I/O operation
- ✓ Alarm verification (help prevent false alarms)
- ✓ User selectable languages
- ✓ Set of changeover relay contacts for fault condition
- ✓ Set of changeover relay contacts for fire condition
- ✓ 2,048 event log (fire & fault)
- ✓ Zone or device disablement
- ✓ One man test mode
- ✓ Plug & play, no need for any special tools or laptop for commissioning
- ✓ Fully integrated keypad
- ✓ All associated devices are loop powered



Technical Specification

Model	SP-64	SP-126	SP-252/M	SP-252/P	SP-REP
Part No.	37-160	37-165	37-177	37-178	37-179
Supply Voltage	230V AC +/- 10%				24V DC
System Voltage	24V DC (Nominal)				19 to 30V DC
Number of Loops	1		2		
Loop Capacity	64 Devices	126 Devices	126 Devices per Loop (Total 252)		
Number of Zones	4	8	8		
Sounder Output	Addressable Sounders Only				
Fault Output	28V Repeat Output to Drive Relay (Normally Energised)				
Fire Output	28V Repeat Output to Drive Relay				
Operating Temp.	-0°C to 50°C				
Enclosure Size (mm)	375(W) x 335(H) x 128(D)			400(W) x 475.5(H) x 143(D)	375(W) x 335(H) x 75(D)

Fyreye MkII Addressable Smoke Detectors

(MKII-AOP, MKII-AOH)



Description

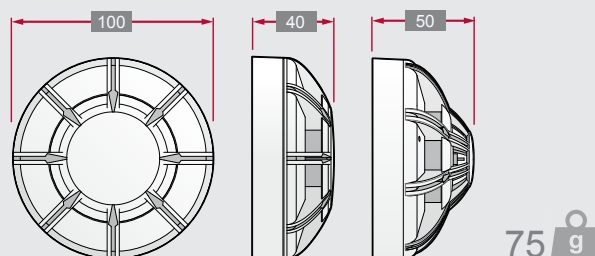
The Fyreye MKII optical smoke detector (MKII-AOP) uses a pulsing IR LED & photodiode to detect IR scatter caused by smoke entering the chamber.

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).

Features

- Designed to meet EN54 requirement
- Lockable to base to stop unauthorised removal
- Remote LED output
- 8 LEDs for improved, 360° visibility
- Compatible with all Fyreye MkII bases
- Addressed with dip switches or hand-held programmer

Dimensions (mm) & Weight (g)



Technical Specification

Model	MKII-AOP	MKII-AOP/B	MKII-AOH	MKII-AOH/B
Part No.	80-210	80-210/B	80-216	80-216/B
Detector Class	Optical Smoke		Combined Smoke & Heat A1	
Design Standard	EN54 part 7		EN54 parts 5 & 7	
Approval	LPCB			
Operating Voltage	17 to 28V DC			
Quiescent Current	500µA			
Alarm Current @ 24V DC	5mA			
Operating Temp. (°C)	-10 to +50°C		-10 to +50°C	
Min. Continuous Temp.	0°C			
Max. Humidity	95% RH non-condensing			
Alarm Condition	0.09dB/m to 0.11dB/m		0.09dB/m to 0.12dB/m Fixed heat trigger @ 57°C	
Coverage	100m²		100m²	
IP Rating	IP43			
Start-up Time	10 Seconds			
Size (with Base)	100 x 49 mm		100 x 59 mm	
Weight (with Base)	75g (133g)			
Remote Output	5mA at 24VDC			

Fyreye MkII Addressable Heat Detectors

(MKII-AHF, MKII-AHF/CS90, MKII-AHR)



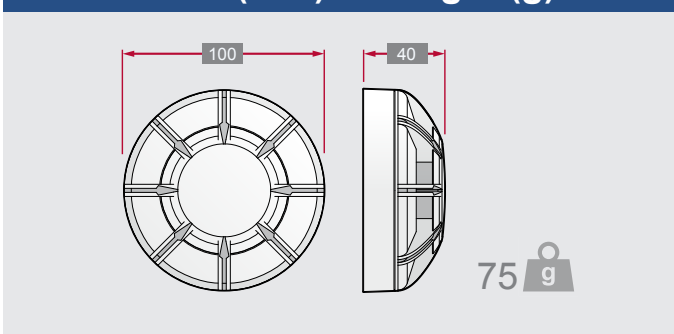
Description

The Fyreye MKII Rate of Rise heat detector (MKII-AHR) uses 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-AHF) has a single thermistor arrangement that gives an alarm at a temperature of 57°C, where the MKII-AHF/CS90 gives an alarm above 86°C.

Features

- Designed to meet EN54 requirement
- Lockable to base to stop unauthorised removal
- Remote LED output
- 8 LEDs for improved, 360° visibility
- Compatible with all Fyreye MkII bases
- Addressed with dip switches or hand-held programmer

Dimensions (mm) & Weight (g)



Technical Specification

Model	MKII-AHF	MKII-AHF/B	MKII-AHF/CS90	MKII-AHF/CS90/B	MKII-AHR	MKII-AHR/B
Part No.	80-214	80-214/B	80-218	80-218/B	80-212	80-212/B
Detector Class	Fixed Heat Only A2S		Fixed Heat Only CS		Rate of Rise & Fixed Heat Detector A1R	
Design Standard	EN54 part 5		EN54 part 5		EN54 part 5	
Approval	LPCB					
Operating Voltage	17 to 28V DC					
Quiescent Current	500µA					
Alarm Current @ 24Vdc	5mA					
Operating Temp. (°C)	-10 to +50°C		-10 to +80°C		-10 to +50°C	
Min. Continuous Temp.	0°C					
Max. Humidity	95% RH non-condensing					
Alarm Condition	Fixed heat trigger @ 57°C		Fixed heat trigger @ 90°C		Rate of rise or fixed heat trigger @ 57°C	
Coverage	50m²		50m²		50m²	
IP Rating	IP43					
Start-up Time	10 Seconds					
Size (with Base)	100 x 49 mm		100 x 49 mm		100 x 49 mm	
Weight (with Base)	75g (133g)					
Remote Output	5mA at 24VDC					

Addressable Call Points

(ZT-CP4/AD & ZT-CP4/WP/AD)



Description

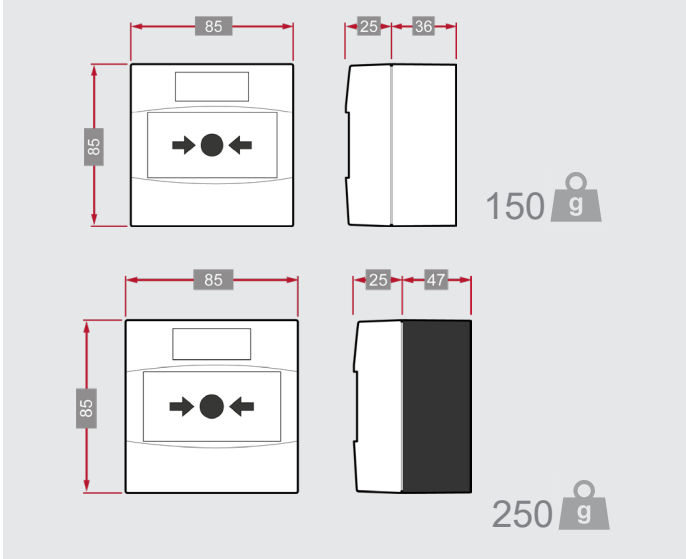
The ZT-CP4/AD and ZT-CP4/WP/AD addressable call points are unique in that they mimic the feel of breaking glass whilst offering the user the benefits and environmental advantages of a re-settable operating element.

Addressing these call points is via an 8 way dip switch on the back of the call point. The design also provides a visual LED indication to confirm alarm activation.

A special Polycarbonate cover (CP4-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.



Dimensions (mm) & Weight (g)



Features

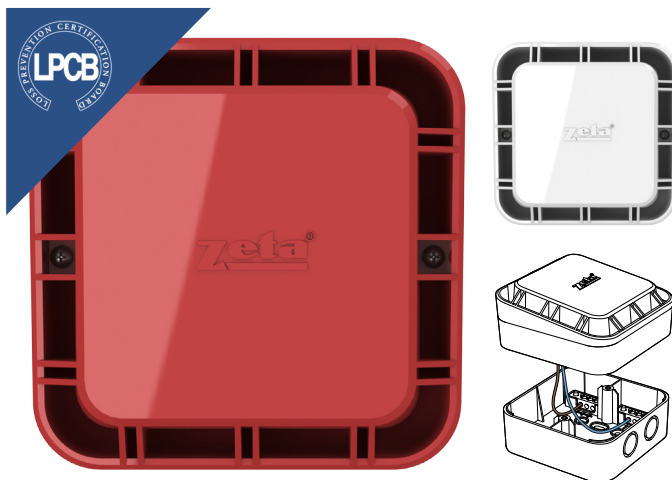
- ✓ Very high visibility of the alarm condition
- ✓ New efficient and reliable mechanism
- ✓ High impact resistant ABS glass fibre material
- ✓ Approved to EN 54-11

Technical Specification		
Model	ZT-CP4/AD	ZT-CP4/WP/AD
Input Voltage	17-28V DC	
Element Type	Resettable	
Quiescent Current	600µA Maximum	
Alarm Current	2.5mA Maximum	
Operating Temperature	-20 degrees C to +60 degrees C	
Max Humidity	95%RH Non-Condensing	
IP Rating	IP32	IP67
Size (W x H x Dmm)	85 x 85 x 61	85 x 85 x 72

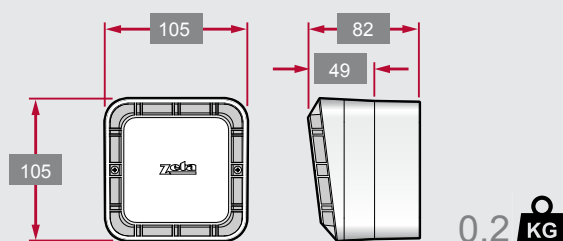
Optional Extras

Order Code	Description
CP4-CV	Call Point Protective Cover
CP4-KEY	Call Point Reset Key

Xtratone Addressable Wall Sounder (MKII-AXT/R & MKII-AXT/W)



Dimensions & Weight



Technical Specification

Model	MKII-AXT/R	MKII-AXT/W
Part Number	42-610	42-611
Colour	Red	White
Operating Voltage	17 – 28V Dc	17 – 28V Dc
Quiescent Current	1.5mA	
Alarm Current	5.4mA	
Sound Output	* 99.3dB +/- 2dB	
Minimum Continuous Operating Temperature	0°C	
Operating Temperature	-10°C To +55°C	
Max Humidity	95% Rh Non Condensing	
IP Rating	IP 21C	
Size mm (with back box)	105 x 105 x 49mm (105 X 105 X 82mm)	
Weight	200g	

* This applies to 'TONE 0' under reberberant conditions

** Approved tones are Tone 0 and Tone 8

Description

The Xtratone sounders are small, high output addressable devices which are designed to meet EN54 part 3.

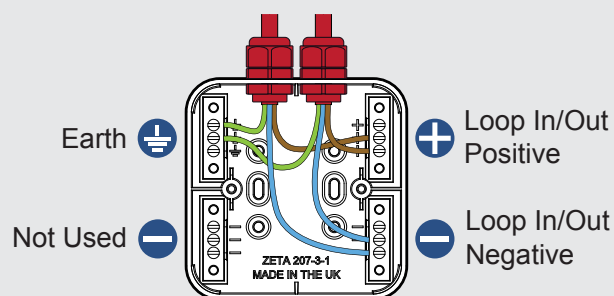
The device is a compact unit that fits a standard European back box and can be either surface or semi-flush mounted.

The Xtratone sounder has been designed so that field cables can be terminated in the back box as a first fix.

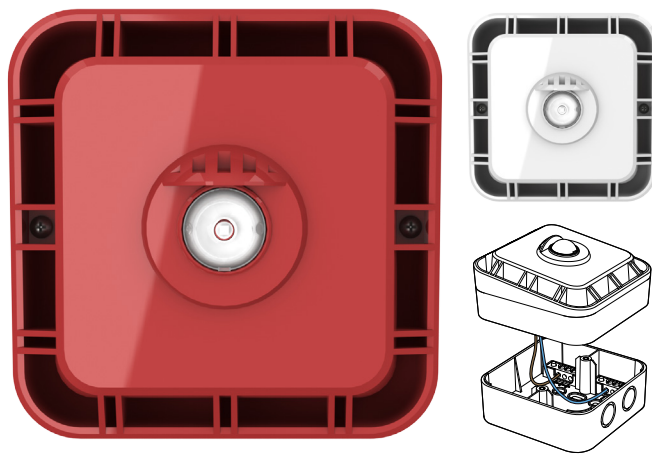
Features

- Complies to EN54 parts 3
- 100dB @ 1m sound output
- 16 tones** can be selected from control panel
- Hard addressed via 8 way dip-switch OR
- Soft addressed via MKII Handheld Programmer
- Flush or surface fixing
- Housed in UL V0 flame retardant ABS
- 4 x 20mm cable entries (2 top, 2 bottom)
- First fix, wire to back box technology

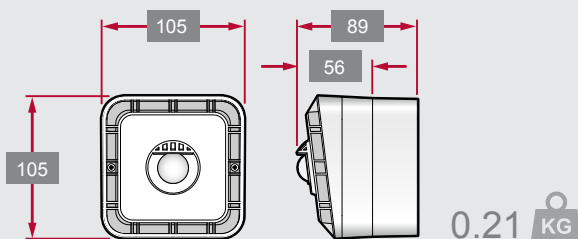
First Fix



Xtratone Addressable Combined Sounder Beacon (MKII-AXTB/R & MKII-AXTB/W)



Dimensions & Weight



Technical Specification

Model	MKII-AXTB/R	MKII-AXTB/W
Part Number	42-617	42-618
Operating Voltage	17 – 28V DC	
Quiescent Current	1.5mA	
Alarm Current	18 to 43mA	
Sound Output	*98.2dB	
Colour	Red body, Clear Flash	White body, Clear Flash
Minimum Continuous Operating Temperature	0°C	
Operating Temperature	-10°C To +55°C	
Max Humidity	95% Rh Non Condensing	
IP Rating	IP21C	
Size mm (with back box)	105x 105 x 56mm (105 X 105 X 89mm)	
Weight	210g	

* This applies to TONE 0 in reverberant conditions.

** Approved tones are Tone 0 and Tone 8.

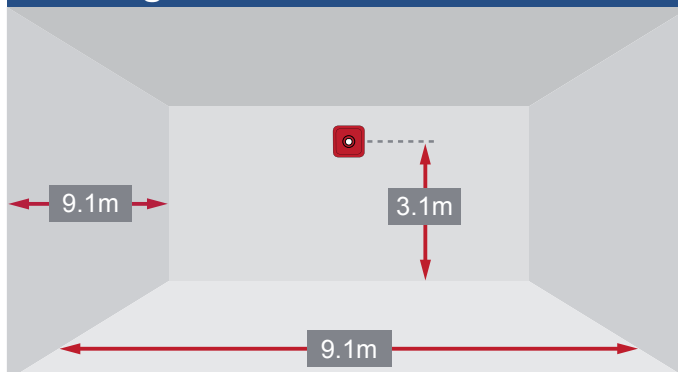
Description

The new Xtratone addressable wall sounder with beacon has been designed to make an “electronics free” first fix and is available in red or white. The beacon has a coverage pattern of W-3.1-9.1 and the sounder part has 16 tones selectable at the control panel.

Features

- ✓ 100dB @ 1m sound output
- ✓ 16 tones** can be selected from control panel
- ✓ Flash rates between 0.33Hz and 1.5Hz
- ✓ Hard addressed via 8 way dip-switch OR
- ✓ Soft addressed via MKII Handheld Programmer
- ✓ Flush or surface fixing
- ✓ Housed in UL V0 flame retardant ABS
- ✓ 4 x 20mm cable entries (2 top, 2 bottom)
- ✓ First fix, wire to back box technology

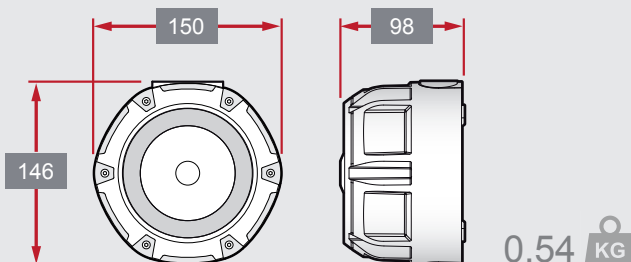
Coverage



Raptor Addressable Weatherproof Sounder (ZRAP/R & ZRAP/W)



Dimensions & Weight



Technical Specification

Model	ZRAP/R	ZRAP/W
Part No.	42-635	42-636
Voltage	17 - 28V DC	
Quiescent Current	1.5mA	
Alarm Current	5.4mA	
Body Colour	Red	White
Sounder Type	B	
IP Rating	IP65 (certified to IP33C)	
Operating Temperature	-25°C to 70°C	
Sound Output @ 1m	*96.9dB +/- 3dB	
Size mm	150 x 146 x 98	
Weight	540g	

* This applies to TONE 0 in reverberant conditions.

** Approved tones are Tone 0 and Tone 8.

Description

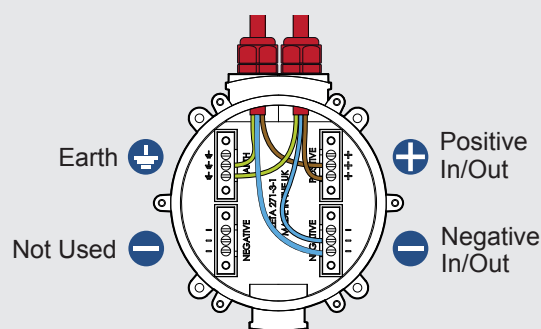
The Raptor addressable sounder is a large weatherproof horn sounder suitable for many indoor & outdoor applications.

It is available in red or white and has 16 tones selectable at the control panel. Termination of field wiring is made to the backbox for a clean first fix.

Features

- Complies with EN54 Part 3 Type B
- Available in Red or White Plastic
- 16 Tone patterns (site selectable)**
- Suitable for surface mounting only
- Housed in UL V0 flame retardant ABS
- 3 x 20mm cable entries (2 top, 1 bottom)
- First fix, wire to back box technology
- IP65 Rating

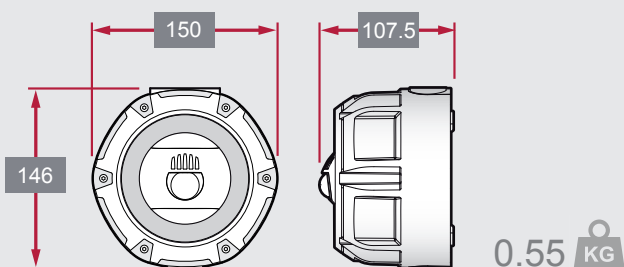
First Fix



Raptor Addressable Weatherproof Sounder Beacon (ZRAPB/R & ZRAPB/W)



Dimensions & Weight



Technical Specification

Model	ZRAPB/R	ZRAPB/W
Part No.	42-637	42-638
Voltage	17 - 28V DC	
Quiscent Current	1.5mA	
Alarm Current	18 - 43mA	
Flash Colour	White	White
Flash Frequency	0.33Hz - 1.5Hz	
Body Colour	Red	White
Sounder Type	B	
IP Rating	IP65 (certified to IP33C)	
Operating Temperature	-25°C to 70°C	
Sound Output @ 1m	*96.9dB +/- 3dB	
Size mm	150 x 146 x 107.5	
Weight	550g	

* This applies to TONE 0 in reverberant conditions.

** Approved tones are Tone 0 and Tone 8.

Description

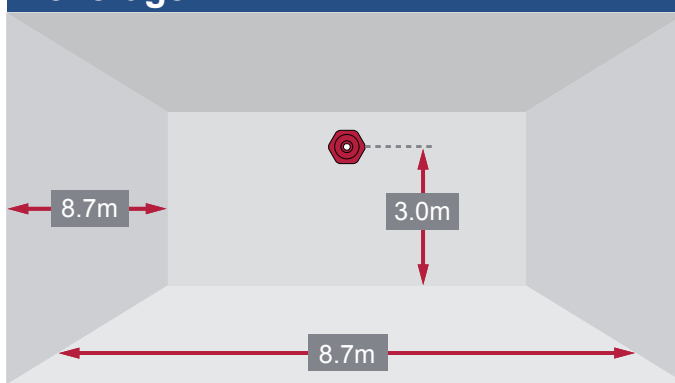
The Raptor addressable sounder with beacon has a coverage pattern of W-3.0-8.7 and the sounder part has 16 tones selectable at the control panel. It has a flash rates between 0.33Hz and 1.5Hz

It has been designed to make an “electronics free” first fix and is available in red or white.

Features

- Complies with EN54 Pt 3 Type B & EN54 Pt 23
- Available in Red or White Plastic
- 16 Tone patterns (site selectable)**
- Suitable for surface mounting only
- Housed in UL V0 flame retardant ABS
- 3 x 20mm cable entries (2 top, 1 bottom)
- First fix, wire to back box technology
- Flashing rate 0.33Hz - 1.5Hz

Coverage



Fyreye MkII Sandwich Sounder

(MKII-SSB)



Technical Specification

Model	MKII-SSB
Part Number	80-224
Operating Voltage	17 – 28V DC
Quiescent Current	650µA
Alarm Current	5.5mA
Sound Output	Approx 85 dB (See Table)
Min. Operating Temp.	0°C
Operating Temperature	-10°C to +55°C
Max Humidity	95% RH Non Condensing
Ip Rating	IP 21C
Size (mm)	100 x 40 (Without Detector)
Weight	160g

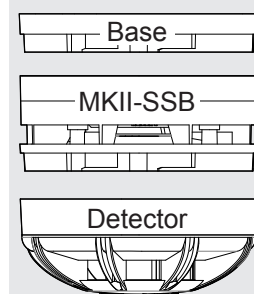
Alarm Tone Selection

The Sandwich sounder Supports alarm tone selection. The alarm tone can be set for the whole loop via the control panel. One of 16 tones can be chosen for the alarm tone.

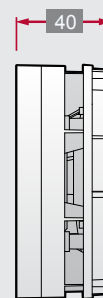
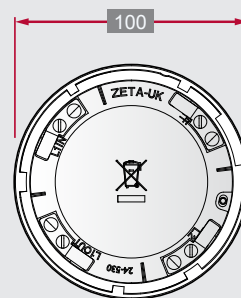
Description

The Fyreye II Sandwich sounder base is a platform sounder that works with the Zeta Fyreye II protocol. The sounder can be triggered from it's detectors remote LED output, allowing the sounders to be triggered individually. It can also be triggered using the Protocol's common sounder group command, meaning that it can be triggered even if it's detector has been removed.

This sounder has been designed to be sandwiched between a common base and an addressable Fyreye II Detector. All loop cables are terminated at the detector base, with the sounder base clipping onto the common base. The sounder should then be secured with it's grub screw to prevent unauthorised removal. The sounder does not need to be addressed. If it is to be started individually, it is controlled by the detector's remote LED output.



Dimensions (mm) & Weight (g)



160 g

No	Tone Description	Pattern	Frequency	Rate	dBA (Reverb. Chamber)
0	BS Fire (Default Zeta tone)	Alternating	800 & 970	1Hz (500ms-500ms)	96 (+/- 2dB)
1	BS Fire	Alternating	800 & 970	2Hz (250ms-250ms)	95 (+/- 2dB)
2	BS Fire	Sweep	800 to 970	1Hz (1 per second)	98 (+/- 2dB)
3	BS Fire	Sweep	800 to 970	7Hz (7 per second)	99 (+/- 2dB)
4	BS Fire	Sweep	800 to 970	50Hz (50 per second)	99 (+/- 2dB)
5	BS Fire	Alternating	510 & 610	1Hz (500ms-500ms)	100 (+/- 2dB)
6	German fire (DIN 33 404)	Sweep (DIN)	1200 to 500	1Hz	99 (+/- 2dB)
7	French fire (NFS 32-001)	Alternating	554 & 440	100ms-400ms	95 (+/- 2dB)
8	Dutch fire (NEN 2575)	Slow whoop	500 to 1200	3.5s sweep, 0.5 s silence, then repeat	98 (+/- 2dB)
9	PFEER Toxic Gas	Continuous	970	Steady	95 (+/- 2dB)
10	PFEER alert	Intermittent	970	0.5Hz (1s On/1s Off)	92 (+/- 2dB)
11 to 15	Reserved	-	-	-	-

Fyreye MkII Addressable Input Module With Isolator (ZAI-MI)



Description

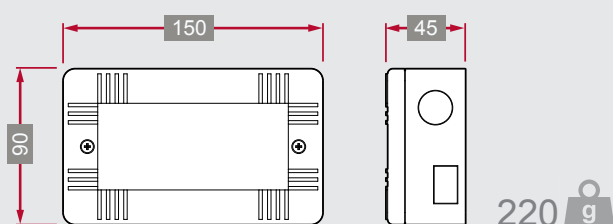
The ZAI-MI is an input module supplied in a modern enclosure (2 gang box size) with well protected electronic circuit board to minimize any damages during installation.

It is supplied with a back box suitable for surface mount indoor installation. Designed and manufactured to meet the requirement of EN54-18 2005 and EN54-17 2005.

The ZAI-MI is used to monitor and raise alarm from any ancilliary equipment such as sprinkler flow switch, aspiration detectors, secondary fire control panel, beam detectors, external power supplies etc.

For more details and connection information consult the installation guide.

Dimensions (mm) & Weight (g)



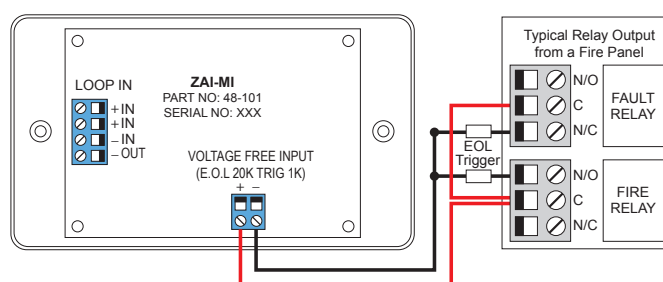
Features

- Loop powered (60 devices per loop as maximum)
- Hand addressed using the 8 way dip switch OR
- Softly addressed using our handheld MKII Programmer (part no. 48-004)
- Equipped with short circuit line isolator
- Extensive front unit indications

Technical Specification

Model	ZAI-MI
Part Number	48-101
Operating Voltage	17-28V DC
Quiescent Current @ 24V	1.0mA
Switch Input Closed (LED OFF)	1.25mA
Switch Input Closed (LED ON)	3.60mA
Isolating Current	7.3mA
Input End of Line	20k
Alarm Triggering Resistor	1k
Operating Temperature	-10°C to +55°C
Max Humidity	95% RH Non Condensing
IP rating	IP21C
Size (mm)	150 x 90 x 45
Weight	220g

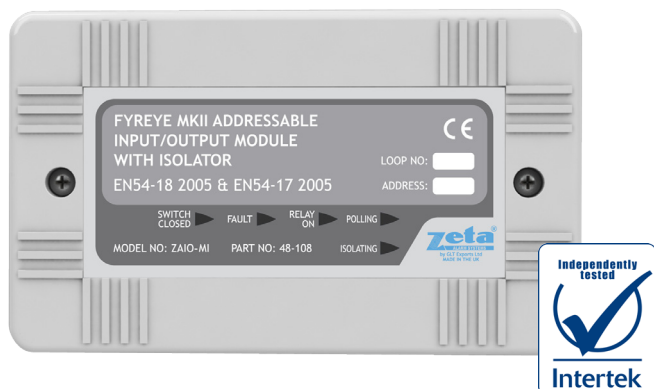
Typical Wiring Diagram



Front Unit Indications

Status	LED Indication
Alarm	Illuminated red when the Input Module is in alarm
Fault	Illuminated yellow when the Input Module is in fault
Polling	Flashed green when the Input Module communication with panel
Isolating	Illuminated yellow when the loop is short or wrong connection circuit

Fyreye MkII Addressable Input/Output Module With Isolator (ZAIO-MI)



Description

The ZAIO-MI is both an input and output module in a modern enclosure (2 gang box size) with well protected electronic circuit board to minimize any damages during installation.

It is supplied with a back box suitable for surface mount indoor installation. Designed and manufactured to meet the requirements of EN54-18 2005 and EN54-17 2005.

The ZAIO-MI is used when both an input needs to be monitored and at the same time a local output (relay output) needs to be triggered to switch ancillary equipment on or off during an alarm condition.

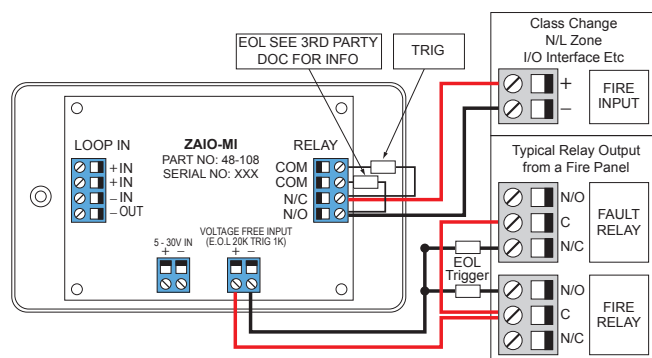
Typical output triggering includes: controlling lift operation during an alarm, starting fire pump, stopping ventilation fans etc.

For more details and connection information consult the installation guide.

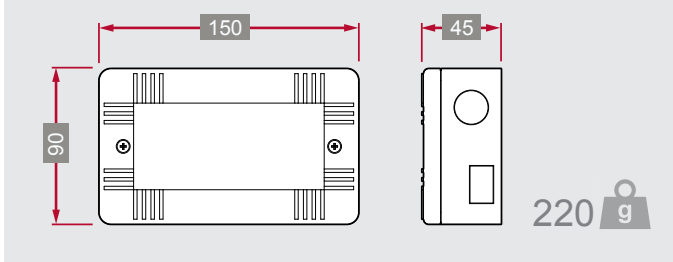
Features

- Loop powered (60 devices per loop as maximum)
- Hand addressed using the 8 way dip switch OR
- Softly addressed using our handheld MKII Programmer (part no. 48-004)
- Equipped with short circuit line isolator
- Extensive front unit indications

Typical Wiring Diagram



Dimensions (mm) & Weight (g)



Technical Specification

Model	ZAIO-MI
Part Number	48-108
Operating Voltage	17-28V DC
Quiescent Current @ 24V	1.0mA
Switch Input Closed (LED OFF)	1.25mA
Relay Operated (LED ON)	2.0mA (Max 2 LEDs on)
Relay Rating	SELV @ 1A
Isolating Current	7.3mA
Input End Of Line	20k
Alarm Triggering Resistor	1k
Operating Temperature	-10°C to +55°C
Max Humidity	95% RH Non Condensing
IP rating	IP21C
Size (mm)	150 x 90 x 45
Weight	220g

Front Unit Indications

Status	LED Indication
Switch closed	Illuminated red when monitored field contact is activated
Relay on	Illuminated red when relay is energized
Fault	Illuminated yellow when the input is open or short circuit
Polling	Flashed green when the device is polled by control panel
Isolating	Illuminated yellow when the loop is short or wrong connection circuit

Fyreye MkII Addressable Zone Monitor Module With Isolator (ZAZM-MI)



Description

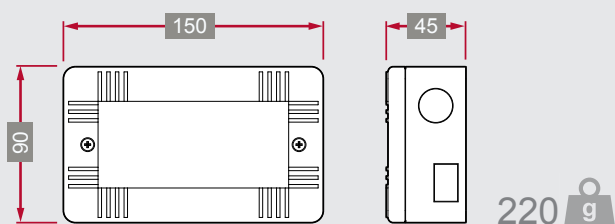
The ZAZM-MI is supplied in a modern enclosure (2 gang box size) with well protected electronic circuit board to minimize any damages during installation.

It is supplied with a back box suitable for surface mount indoor installation. Designed and manufactured to meet the requirement of EN54-18 2005 and EN54-17 2005.

The ZAZM-MI is a conventional zone that can be used for conventional devices and/or for special detectors that are not available in addressable form such as UV detectors, Aspiration detectors etc.

For more details and connection information consult the installation guide.

Dimensions (mm) & Weight (g)



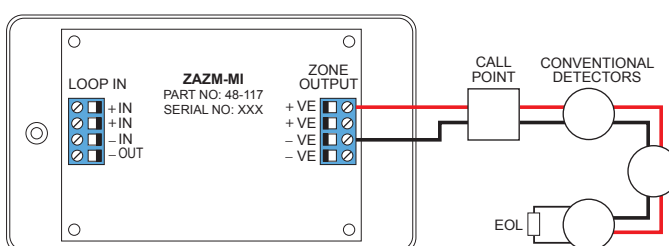
Features

- This is a loop powered device, however loop load calculation must be performed to determine the permissible quantity of ZAZM-MI per loop.
- Hand addressed using the 8 way dip switch OR
- Softly addressed using our handheld MKII Programmer (part no. 48-004)
- Equipped with short circuit line isolator
- Extensive front unit indications

Technical Specification

Model	ZAZM-MI
Part Number	48-117
Operating Voltage	17 – 28V DC
Quiescent Current	3.5mA
Alarm Current (LED OFF)	12.6 mA
Alarm Current (LED ON)	13.2 mA
Isolating Current	7.3mA
End of Line Resistor	6.2k
Nominal Alarm Triggering Resistor	1k
Operating Temperature	"-10C to 55C"
Max Humidity	95% RH Non Condensing
IP Rating	IP21C
Size	150 x 90 x 45 mm
Weight	220g

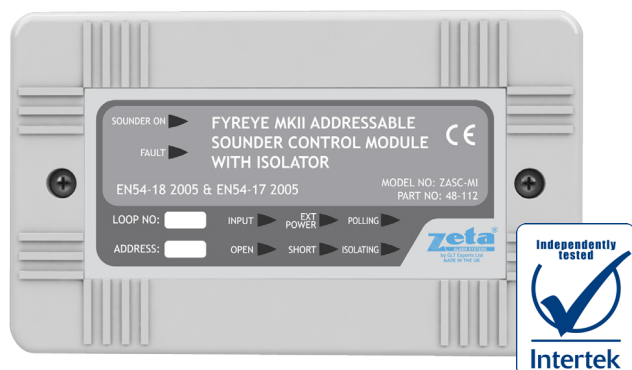
Typical Wiring Diagram



Front Unit Indications

Status	LED Indication
Alarm	Illuminated red when conventional detector zone is in alarm
Polling	Flashed green when the zone monitor is communicating with panel
Isolating	Illuminated yellow when the loop is short or wrong connection circuit

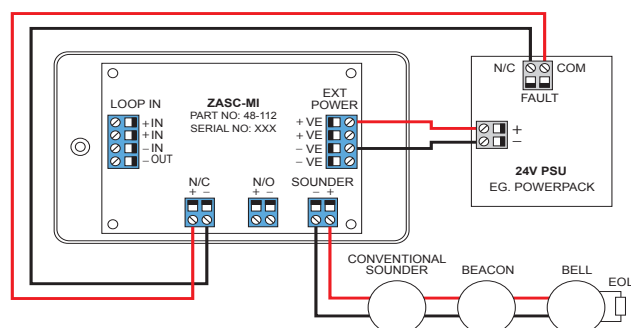
Fyreye MkII Addressable Sounder Control Module With Isolator (ZASC-MI)



Features

- ✓ This is not a loop powered device and an adequate 24Vdc input (with battery backup) is needed.
- ✓ Hand addressed using the 8 way dip switch OR
- ✓ Softly addressed using our handheld MKII Programmer (part no. 48-004)
- ✓ Equipped with short circuit line isolator

Typical Wiring Diagram



Front Unit Indications

Status	LED Indication
Alarm	Illuminated red when the Sounder Control Module is in alarm
Fault	Illuminated yellow when the Sounder Control Module is in fault
Open	Illuminated yellow when the sounder input is in open state
Short	Illuminated yellow when the sounder input is in short state
Polling	Flashed green when the module is communicating with the panel
Isolating	Illuminated yellow when the loop is short or wrong connection circuit
Ext Power	Illuminated green when Ext Power is connected correctly
Input	Illuminated green when the Ext Power is active

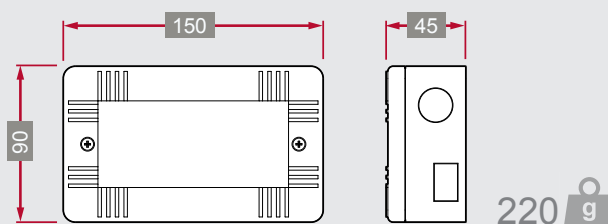
Description

The ZASC-MI is supplied in a modern enclosure (2 gang box size) with well protected electronic circuit board to minimize any damages during installation.

It is supplied with a back box suitable for surface mount indoor installation. Designed and manufactured to meet the requirement of EN54-18 2005 and EN54-17 2005.

The ZASC-MI can be used to supply a monitored 24Vdc to operate external relays and as a conventional sounder circuit to run bells or beacon flashers where the current consumption prohibits the use of addressable loop powered devices. The unit also includes input connections to monitor the external power supply status and report the findings to the addressable control panel.

Dimensions (mm) & Weight (g)



Technical Specification

Model	ZASC-MI
Part Number	48-112
Operating Voltage (Loop)	17 – 28V DC
Quiescent Current (Loop)	0.6 mA
Fault Current (Loop)	0.6 mA
Sounder On Current (Loop)	0.8 mA
Operating Voltage (Ext. Power)	9-32V DC
Quiescent Current (Ext. @ 24V)	2 mA
Sounder On Current (Ext. @ 9V)	2.5mA Plus Sounder Load
Sounder On Current (Ext. @ 32V)	9.5mA Plus Sounder Load
Sounder Output Rating	500 mA
Isolating Current	7.3mA
Sounder End of Line	10k
Operating Temperature	"-10C to 55C"
Max Humidity	95% RH Non Condensing
IP Rating	IP21C
Size	150 x 90 x 45 mm
Weight	220g