



ZP2 Series

Intelligent Addressable Life Safety Systems

A practical overview of product highlights
and competitive advantages

The ZP Family

Developed to meet your expectation... ... the intelligent way

The ZP2 Series life safety control systems are part of the ZP family.

The ZP family consists of a range of next generation conventional and addressable fire panels that will support you from small standalone applications such as a small shop or bank, all the way to multiple floor building applications where reliable networking capabilities with central monitoring are required.

The ZP family will give you all the flexibility to meet your customer's expectations and more. From new projects to expansions to retrofit, everything is possible.

Further in this document we will highlight these benefits as it applies to the ZP2. For the ZP1 Series life safety control systems, a separate sales guide is available.



Life Safety Systems

ZP2
series

Designed for building owners Engineered for life safety system suppliers

Ziton ZP2 Series life safety control systems are bringing the speed and functionality of high-end intelligent processing to small to mid-sized addressable applications. They feature an attractive contemporary design that fits with any decor. Special plastics allows for painting in any color and the easy to remove electronics will support in this matter. The gently lined door with the intuitive Ziton blue inset user interface offers a distinctive flair. The main controls are clearly, but discreetly highlighted with the focus on the central located Jog Dial.

With the addressable detection and a full line of easily configured option cards and modules, USB and Ethernet® connectivity, these quick-to-configure systems offer versatility that benefits building owners and life safety system installers alike.

This guide was developed to highlight the strengths of the ZP2 Series and give those engaged in sales functions an understanding of the many competitive advantages these systems bring to sales calls.

Amongst the strongest selling points the ZP2 Series offers is the confidence customers can have by dealing with an identity they've known and trusted all their lives. Ziton represents a solid foundation for technology and innovations that's been respected for generations. ZP2 Series life safety systems have been designed for building owners upon this legacy of innovation, and engineered for life safety system installers to exceed the expectations of their customers.



Engineered for life safety system installers

Quick installation and easy maintenance gives the ZP2 Series a competitive edge that's good for your bottom line.

As a life safety system installer, time and money are your primary concerns. You need to know up front what it's going to take to get the system up and running so you can present an accurate and competitive bid to your customer, the building owner. A system that proves difficult to install or that takes more time than anticipated to get a green light from the local authorities, costs you money, risks your business reputation, and can land you in a deep hole with your customer.

ZP2 Series life safety systems are simple to install and quick to service. They work in your favor, keeping installation costs predictable, while contributing to your bottom line – not being a burden on it. With timesaving features not found among competing products, these systems will give you the edge you need to stay ahead of the game every step of the way.

What you do with that edge is your business. You can use it to win more bids and land more jobs, or pocket the savings and call it a day. Both outcomes boost revenue, though moving more systems.

Service and maintenance contracts also represent a significant part of your revenue stream. Frequently the contract is negotiated for a fixed cost over a fixed period, so you want a system that is quick and easy to service. The short and infrequent service calls the ZP2 Series requires allows you to maintain more systems at more sites with the same number of service technicians and vehicles on the road.

The ZP2 Series Ethernet programming and diagnostic features are a big advantage in this respect and provide opportunities for boosting service revenue while forging good relationships with your customers. This innovation in system communications permits valuable programming and diagnostic operations to be performed remotely from your office, without the need to send out a service vehicle and technician. In this way the technician that goes to site knows what to expect and what spare parts he needs to take before leaving the office.

It also offers you the opportunity to provide more responsive service to your customers. Advanced warning of dirty detectors and remote reporting features give your service department the opportunity to anticipate problems before your customer's system operation is affected.

This heads-off nuisance alarms and emergency service calls, and fosters a positive relationship between you and the building owner. A good relationship with the building owner not only bodes well when the service contract comes up for renewal, but also gives you an edge when it's time to install, expand, upgrade, or retrofit life safety systems at other properties owned by the same customer.

Benefits for your Installers

Quick, easy setup and configuration are vital for your people on the roads. Three programming methods are available. (I) Front panel with help of a wizard or auto configuration if needed. (II) Via USB stick remotely configured by PC. (III) With a PC locally or remotely connected. While the easy to use front panel programming of the ZP2 Series panel is adequate for most jobs, each method allows the installer to select a programming method that suits the complexity of the tasks at hand. This lets them minimize the amount of time they spend fiddling with the control panel, and focus on getting it up and running in the most efficient way and in the shortest time possible.

- **The wizard and auto programming** guides the installer getting the system up and running quickly and efficiently. With a few simple front panel commands, the ZP2 Series automatically identifies all connected devices, put them into a zone and sets country specific system operation options rapidly. The wizard recognizes and protects the settings of previously installed devices so that its subsequent use can be used for incremental changes to system configuration – this important feature saves time and dramatically simplifies installation and setup.
- **Front panel programming** with the ZP2 Series intuitive on-board user interface, composed soft keys and Jog Dial together with the easy-to-read graphical LCD display allows the installer to quickly tweak the auto programmed settings to accommodate the needs of typical installations. This method also permits fast incremental changes to point and zone settings for site-specific needs.
- **PC programming** puts the power of a full-featured graphical, drag and drop configuration and diagnostic utility to work so that installers can easily take full advantage of the ZP2 Series well organized programming engine. With the ZP2 configuration utility and a laptop PC connected to the control panel, installers can quickly and efficiently set up input / output logic, run through device settings, and configure option cards and loop modules. The PC programming can also be done off-line after which the configuration can be uploaded later on-site into the panel using a USB memory stick. The panel will automatically recognize the new configuration.

Installers also benefit from exclusive device-level fault identification, which takes the guesswork out of troubleshooting. The ZP2 Series one-person walk test speeds the pace of installation, and its quick-install chassis and easy removable door allows the wall box to be mounted during building construction while the electronics remain safe and out of harm's way. Last but not least using the extensive range of loop-powered sounders will even further save time and cost on installation.

Benefits for your Service Technicians

Timesaving remote programming and diagnostics will keep your service revenues up and your labor costs down. With the onboard Ethernet port, the ZP2 Series systems can communicate over a standard 10/100 Base T connection locally over a LAN, or even remotely over WAN across the Internet. This valuable ZP2 Series innovation allows your technician to run diagnostic routines and even make programming changes – all without driving to the system on site.

When a service call is required, your technician can generate and download system reports before heading out the door. These provide important information such as how many detectors are approaching their dirty thresholds, or which specific devices are in an off normal state and require attention. Having this information ahead of time avoids return trips to the shop for parts, and dramatically shortens the length of the maintenance call: something both you and your customer will appreciate.

Installed as part of a ZP2 addressable system, sensor sensitivity, calibration and self-test are carried out automatically by the ZP2 system. Sophisticated auto contamination adjustment compensates for any drift in performance due to dirt in the sensing chamber.

Time-Saving highlights for Installers...

- Simple system setup and configuration
- Easy-to-configure option cards and modules
- Incremental auto programming with wizard
- Off-line programming and upload via USB memory stick
- Undo last update
- Device-level fault identification
- Loop powered sounders

The simplicity built into ZP2 Series systems makes adding devices a breeze for your maintenance personnel. The innovative auto-programming feature identifies new devices and preserves the programming for existing ones. This means that incremental programming is no longer a juggling act – the system takes care of the details, shortening the length of the visit so that more sites can be serviced with the same number of technicians and service vehicles.



Designed for building owners

郑2 Series blends seamlessly into the background, providing compliant, trouble-free service long into the future.

Building owners and facility managers share your interest in saving installation and maintenance costs. But for the owner, the system is a fixture of their building that merits little attention until things go wrong. They fear a system that will be a source of trouble. Amongst their greatest fears is a building constantly being evacuated for no reason. They don't want occupants to be bothered and desensitized to danger by a temperamental alarm system. And they don't want their local authorities on their backs or their fire department imposing fines for unnecessary emergency calls. Revenue and productivity are at stake. The ZP2 Series systems address these concerns through simple operation and easy service.

It's important to stress with building owners the breakthrough in system efficiency that ZP2 Series systems represent. Intelligent life safety technology enhances the invisibility of the system from a building owner's perspective. It is more efficient, more reliable, more accurate and more stable than conventional systems. It offers greater flexibility and is less prone to nuisance alarms. But until now this technology was out of range for most small building applications. This had to do with cost and the extensive maintenance required by complex intelligent systems in the past. The ZP2 Series offers owners of "smaller" buildings a highly efficient means of bringing the advantages of high-end intelligent technology to their properties, helping them manage safer environments with more confidence than ever before, but with the ease of use of a simple conventional system, where practically no training is required.

Quick installation and short service calls for their ZP2 Series equipment are definite advantages that building owners will appreciate. The fact this technology virtually eliminates nuisance alarms will frequently tip the balance in favor of intelligent technology over conventional systems. The timesaving advantages of the ZP2 Series over the competition will tip that balance even further.

Detector diagnostics make annual testing simple and quick. Building occupants aren't overrun with technicians, and sensitive building areas remain secure.

The clean and simple design approach is carried right through to the aesthetics of ZP2 Series control panels. Their attractive appearance means they won't be a blemish on an expensive architectural design. The gently lined and curved door with the combination of the intuitive Ziton blue inset user interface and Jog Dial offers a distinctive flair.

Sleek, low profile devices complement the overall design appeal of the ZP2 Series, and make the ZP2 Series combination an even more attractive choice for building owners.

The inherent reliability of intelligent detection and the proven track record among Ziton life safety systems is an assurance to the building owner that their ZP2 Series control panel will slip quietly into the background and provide fully-compliant trouble-free service for years to come the moment the installer leaves the site.

Benefits for Building Owners

Building owners and facility managers want to focus on their buildings, not the life safety system. The worry-free operation of ZP2 Series systems is a key selling feature for them. The quick setup enjoyed by installers, coupled with the high efficiency gained by service and maintenance personnel make the ZP2 Series the best choice for building owners today.

Simple and intuitive front panel operation keeps building personnel in control of their ZP2 Series system. They won't find themselves scrambling for the manual as the system counts down to alarm. And they won't have to call you every time an electrical storm causes a power outage.

The ZP2 Series also represents life safety intelligence geared expressly for smaller applications that used to be the exclusive domain of conventional systems. With the ZP2 Series, building owners now have access to technology that a short time ago was beyond the reach of most small building budgets.

These intelligent systems offer the building owner a fast and simple way to upgrade from their cumbersome conventional control panel. In fact, the ZP2 Series can use the same wiring for the detectors and notification devices like sounders and beacons. Using base sounders will bring this even a step further by saving on wiring and detector bases. In case conventional loops need to remain a zone loop monitor can incorporate them. This means the building owner doesn't have to bear the expense of additional wiring and bases, and keep the disruption it would cause among building occupants to a minimum and expanding the system in the future or an existing system can be done in no time.

Building owners also gain an advantage over conventional systems by being able to identify the specific device or location of the alarm or abnormal condition. The location and point details are displayed right on the panel. This provides fast response for emergency conditions. It also simplifies maintenance by identifying, which individual devices require attention.

With automatic drift compensation, the ZP2 Series continuously tunes detector sensitivity by adjusting for environmental conditions such as dirt and humidity. These features further reduce the risk of nuisance alarms, avoiding the disruption to building occupants and fire department fines that result.

Life Simplifying highlights for Building Owners...

- Simple and intuitive front panel control
- Reduced nuisance alarms
- Pinpoints device location
- Identifies detectors requiring cleaning
- Replaceable detector chamber
- Easy maintenance
- Straightforward annual inspections
- Architecturally pleasing design

Applications

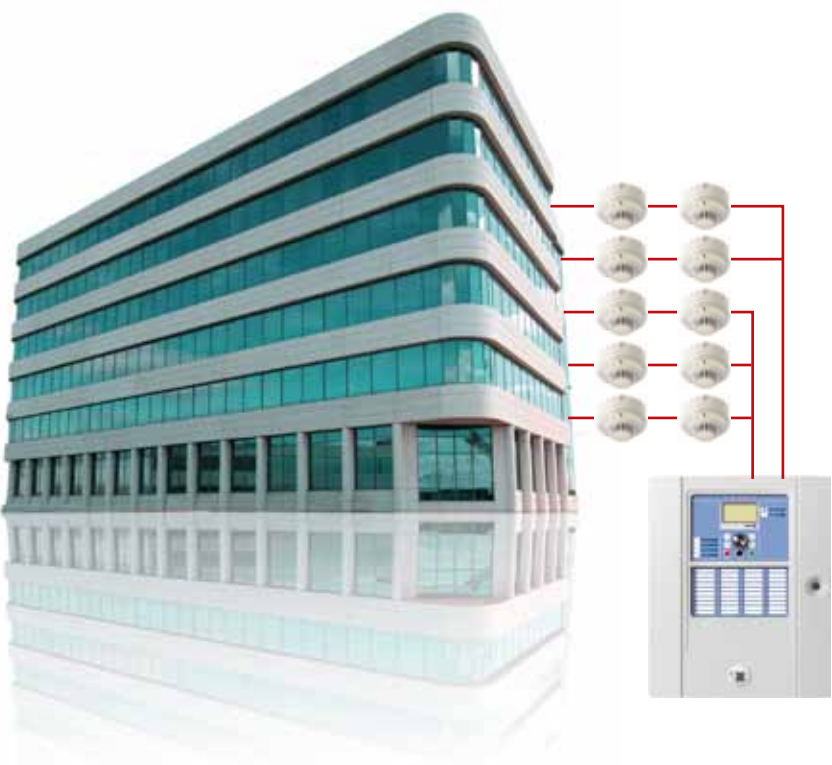
An easy alternative to conventional technology for...

- Schools
- Department Stores
- Dormitories
- Grocery Stores
- Nursing Homes
- Office Buildings
- Assisted Living
- Banks
- Hospitals
- Child Care Centers
- Clinics
- Light Manufacturing
- Strip Malls
- Warehousing
- Restaurants
- Apartment Buildings
- Retail Facilities
- Hotels and Motels
- Cinemas
- Utilities
- Etc.

Multiple Occupancy



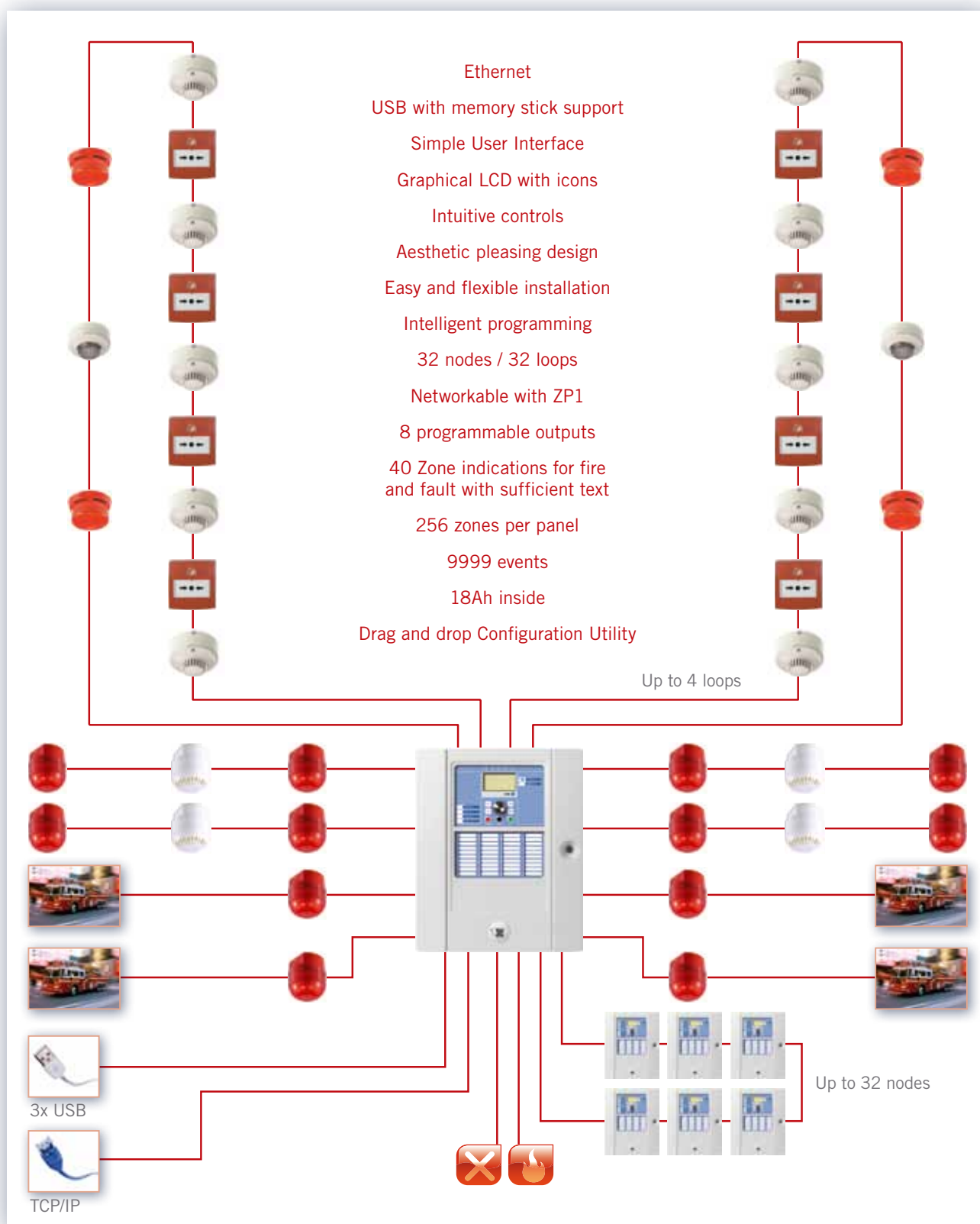
Multi-story/Multiple buildings



Selling Point Summary

Available Innovation	Selling Point	Audience
Icons and Symbols	The big and bright graphical LCD shows the events and notification with recognizable icons. Language independent	Facility managers & Building owners
Aesthetic pleasing design	Blends in without doing any blemish on the interior	
Multi language user interface	If more languages are needed on the fly, they are only away one push on the button	
Main control buttons clearly indicated	Less confusion, less error when fast reaction is required	
32 nodes / 32 loops systems	Large system capacity with lots of room for expansion. Up to 16 floors with a panel and a repeater on each floor if required	Installers
Networking with ZP1	Seamless integration of conventional into addressable systems	
Soft buttons & Jog Dial	Simple and fast control over events and the menu	
Ethernet port standard	No special equipment required for central monitoring or programming	
65Ah battery box in matching design*	Still aesthetic pleasing even when more power is required and give up to 72 hours standby time for a fully load system with 30 minutes of alarm	
18Ah batteries inside	Supports huge systems for 24hour standby time with 30 min of alarm or still numerous applications for 72 hours with 30 min of alarm	
Spirit level build in	The whole system is build such that minimum tool are required	
Sufficient cable entries	No problem getting the wiring inside the panel	
Enough cable dressing solutions	Keep also the inside clean and professional looking	
Up to 6A power supplies*	You need power you get power	
Pluggable connections	In case components need to be removed your cables can remain on the connectors	
All optional EN54 requirements	All optional EN54 requirements in the EN54-2 are included and certified with CPD making sure your system is reliable and up to date to the latest standard	
Country specific presets	No mistake for error and give you even quicker setup	
Quick-install component chassis / removable door	Prevents electronics from becoming damaged during building construction	
One-man walk test	Quick verification of system operation	
Earth fault detection	Reducing troubleshooting time on site	Service Technicians
2 + 2 loops	You want to drive 4 loops, just add-in an extra 2 in the 2 loop panel which gives you the expansion you need	
USB	You can download / upload your latest configuration or reports on a memory stick or connect the PC directly via USB	
Company Logo	With the configuration utility you can easily upload your company logo on the LCD screen	
Incremental panel wizard and auto configuration with undo	For fast upgrade or modifications. You don't like what you did just undo to go back to last configuration	
Printer build inside*	Have always a hard copy of you events and history log	
Ethernet port standard	Generate and download system reports before heading out the door	
Device level fault or warning identification	Check the dirty level of a detector or investigate the fault message from your office	
4 email accounts	Get notifications of alarms, faults and conditions reported directly from the panel to your phone or remote PC	Service Technicians
Loop, PSU, Output measurements	The panel has a build-in multimeter to measure current and voltages	

Competitive advantages



Product summary

ZP2-F1 Addressable Fire Panel with User Interface - 1 loop available in small and big size cabinet

Fixed one loop fire panel that supports up to 127 addressable devices of any type and 2 sounder outputs. USB and Ethernet on board.

ZP2-F2 Addressable Fire Panel with User Interface - 2 loop available in small and big size cabinet

Two loop fire panel (upgradeable to four loops – only big cabinet) that supports up to 508 addressable devices of any type and up to 8 sounder outputs. USB and Ethernet on board.

ZP2-FR Addressable Fire Panel Repeater with User Interface available in small and big size cabinet

Remote repeater with common controls and global functionality.

Available Option Cards

- Loop expansion board (2 extra loops)
- Network board (to connect up to 32 addressable panels in a network with a maximum of 32 loops)
- 20-zone LED indicator (Fire + Fault / zone)
- 40-zone LED indicator (Fire + Fault / zone)
- 24-zone LED indicator (Fire + Fault / Zone)

System Accessories

- Build-in printer*
- Translucent protection door*
- 19" rack mount trim*
- Flush mount trim*

Related literature and sales tool

- Sales Brochure
- Datasheets
- System Builder
- Spec Builder



Available addressable devices and device accessories

Detectors

ZP710-2	Ionisation sensor
ZP720-3	Heat sensor
ZP730-2	Optical sensor
ZP732-2	Combination sensor (optical & heat)
ZX832	Intelligent multisensor (optical & heat)
FDR50-EZ	50 metre loop powered analogue reflective beam detector
FDR100-EZ	100 metre loop powered analogue reflective beam detector

Bases

ZP7-SB1	Surface mounting sensor base
ZP7-RB1	Recessed sensor base
Z-AUXD-2	Deep mounting for Z6 and ZP7 bases
Z-AUX-2	Auxiliary plate for Z6 and ZP7 bases

Call Points

ZP785-3	Flush mounting red analogue callpoint c/w EN54 marking
ZP785-3S-SW	Surface Mount Addressable Call Point complete with BRAND-LARM Marking (RED) with Hinged Cover
ZP785-3WS	Surface mount white analogue callpoint c/w EN54 marking
ZP785-3YS	Surface Mount Addressable Call Point complete with “HOUSE ON FIRE” Function Indicator (YELLOW)
ZP787-3	Weatherproof surface mounting red analogue callpoint (IP67)
ZP787-3-SW	ZP7 Addressable MCP, RED, Surface Mount with glass, IP67, Swedish

Line Isolators

ZP7-IB	Isolator base for seven series sensors
A60E-2	A Series mini isolator unit

IO Units

A45E-2	A Series mini interface unit
A50E-2	A Series mini relay unit
A51E-1	A Series mini relay unit, mains switching
A70E-2	A70 conventional interface
SMB-DIN1	Surface box for A Series modules, IP66 (2 single or 1 double)
SMB-DIN2	Surface box for A Series modules, IP66 (4 single or 2 double)
ZP7-I/O	Enclosure for A series modules (note: will not accommodate A51E-1)

Sounders / Beacons

SPB-2R	Red Pluggable base for ZP755 -2 and -3 devices
SPB-2W	White Pluggable base for ZP755 -2 and -3 devices
ZP755B-2W	Surface mounting addressable base sounder (90 dBA)
ZP755BV-3	Surface mounting addressable base sounder beacon, white (90 dBA)
ZP755-COV-R	Cover for all ZP755B base sounder with no detector, red
ZP755-COV-W	Cover for all ZP755B base sounder with no detector, white
ZP755HA-2R	Horn sounder with dual front & rear sound paths, red (102 dBA)
ZP755HA-2W	Horn sounder with dual front & rear sound paths, white (102 dBA)
ZP755HAV-2R	Omnidirectional sounder beacon, red (102 dBA)
ZP755HAV-2W	Omnidirectional sounder beacon, white (102 dBA)
ZP755R-2R	Room sounder c/w cover, red (90dBA)
ZP755R-2W	Room sounder c/w cover, white (90dBA)
ZP755V	Surface mounting beacon, white with clear lens (use ZP7-SBB if remote powered)
ZP755W-R	Weatherproof horn sounder, red (105 dBA)
ZP755WV-2R	Weatherproof horn sounder beacon
ZP7-SBB	Surface mounting base, white (for ZP755V remote power requirement)

* Later release



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A low-angle, upward-looking photograph of a modern skyscraper with a glass curtain wall. The building's facade is composed of a grid of dark metal frames and large glass panels that reflect the sky and surrounding environment. The perspective creates a sense of height and architectural scale.

ZP2
series