

# ZP2-F2-99

## Addressable Fire Panel - 2 Loop - English UK

### Overview

The 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 dark inset user interface and EN54 compliant graphical LCD 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.

### The Panel

The fire panels supplied in local language, with user interface, with 2 loops that supports up to 254 devices each (127 addresses) in 512 zones, have standard 4 supervised sounder/fire-routing outputs, which can be used as freely programmable outputs as well. In addition 2 conventional relay outputs and 2 supervised outputs, working in pair and dedicated to common fire and fault conditions, as well as 2 user configurable inputs for monitoring and control are available.

### Options

The panel supports an extra 2 loop board that brings the panel to up to 512 zones with 4 additional programmable outputs. Add a network board to create a maximum of 32 nodes / 32 loops network of fire panels and fire panel repeaters (including conventional fire panels and fire repeater panels up to a maximum of 64 conventional zones). Last but not least, in case separate zone indications are required, a 20 or a 40 zone fire/ fault LED indicator board can be mounted in the panel or repeater with ample space for custom text.

### Approvals & Compliance

- CE / CPD / EN54-2 / EN54-4
- NEN2535 / NBNS21-100 compliant
- BS5839-1 compliant
- VdS and LPCB certified
- WEEE / RoHS compliant



### Details

- 2 loops expandable to 4 with up to 512 zones
- Up to 40 LED Zone indicators for Fire and Fault with ample text space
- Auto configuration and default EN54 setup modes
- Ethernet port with TCP/IP for remote maintenance and programming
- EN54 compliant graphical LCD with icons and symbols for easy recognition of events
- Jog Dial with 4 soft buttons for simple and intuitive user control
- Aesthetic pleasing design with special paintable synthetic door
- Easy removable door and chassis for quick and clean installation
- All pluggable connectors
- 3 USB ports with memory stick support and RS232 for printer support
- Email notification for events directly from the panel (4 user accounts)
- Auxiliary 24VDC supply output with reset support
- 3 operator level menu structure with username and password
- History log memory for 9999 events
- Up to 72 hours standby time and 30 minutes alarm
- Compatible with the Ziton loop powered sounders/beacons and base sounders and Ziton series detectors

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### Technical specifications

#### General

|                                        |             |
|----------------------------------------|-------------|
| Maximum system capacity (device count) | up to 16256 |
| Network size (nodes)                   | up to 64    |

#### Electrical

|                     |                                               |
|---------------------|-----------------------------------------------|
| Power supply type   | VAC                                           |
| Operating voltage   | 110 / 230 VAC (+10%/-15%)<br>60 / 50 Hz (±5%) |
| Current consumption | Nom. 0.6 / 1.3 A, Max. 1.5 / 3.15 A           |

#### Loop

|                       |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Maximum loop capacity | 2                                                                    |
| Outputs               | 2, 300mA@11VDC (peak 500mA@20V)                                      |
| Cable length          | max 52ohms / 500nF (max 2km with 2mm <sup>2</sup> and 127 detectors) |
| Cable type            | Recommended 2 core 1.5 mm <sup>2</sup> twisted pair                  |

#### Zone

|                       |           |
|-----------------------|-----------|
| Maximum zone capacity | up to 512 |
|-----------------------|-----------|

#### Input

|              |                                                     |
|--------------|-----------------------------------------------------|
| Termination  | 15 kohm                                             |
| Programmable | 2                                                   |
| Cable type   | Recommended 2 core 1.5 mm <sup>2</sup> twisted pair |
| Maximum Load | 150 mA                                              |

#### Output

|                                 |                                                     |
|---------------------------------|-----------------------------------------------------|
| Programmable supervised         | 2, 750mA / 19.5-28VDC (24VDC nominal)               |
| General Fire + Fault supervised | 2, 350mA / 19.5-28VDC (24 VDC nominal)              |
| General Fire + Fault relay      | 2                                                   |
| Aux                             | 1 resetable, 500mA / 19.5-28VDC (24VDC nominal)     |
| Cable type                      | Recommended 2 core 1.5 mm <sup>2</sup> twisted pair |
| End of Line resistor            | 15kohm                                              |

#### Standby battery

|          |                                         |
|----------|-----------------------------------------|
| Capacity | Max. 2 x 12V/18Ah (use supplied cables) |
|----------|-----------------------------------------|

#### Physical

|                     |                                                             |
|---------------------|-------------------------------------------------------------|
| Form factor         | Large                                                       |
| Physical dimensions | 450 x 550 x 172 mm (W x H x D)                              |
| Net weight          | 7.4 kg (without battery)                                    |
| Shipping weight     | 10.1 kg                                                     |
| Colour              | Grey (RAL 7035)                                             |
| Mounting type       | Surface mount                                               |
| Cable entries       | 18 (20mm) / 2 (20mm) / 2 removable plates (Top/Bottom/Back) |

#### Environmental

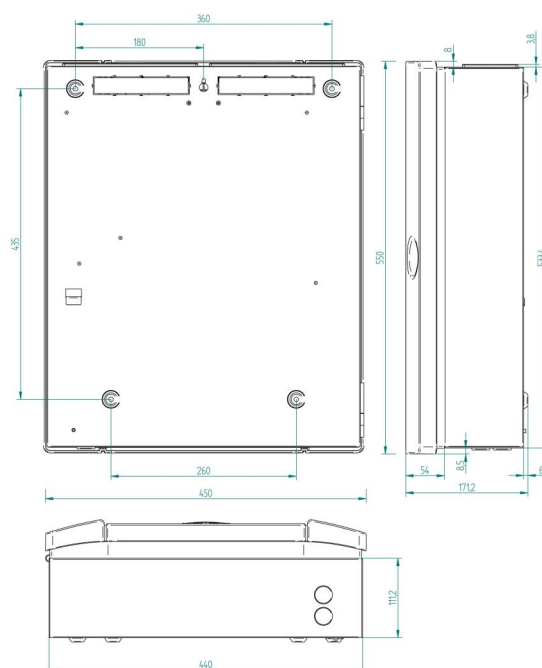
|                       |                           |
|-----------------------|---------------------------|
| Operating temperature | -8 to +42°C               |
| Storage temperature   | -10 to +50°C              |
| Relative humidity     | 95% max. noncondensing    |
| Environment           | Indoor                    |
| IP rating             | IP30: for indoor use only |

#### Regulatory

|               |                                                      |
|---------------|------------------------------------------------------|
| Compliance    | BS5839-1, CPD, LPCB, NBNS21-100, NEN2535, RoHS, WEEE |
| Certification | EN54-13, EN54-2, EN54-21, EN54-4, VdS                |

#### Mains supply

|             |                                                |
|-------------|------------------------------------------------|
| Fuse rating | 2 / 4 A                                        |
| Cable type  | 3 x 1.5 mm <sup>2</sup> (live, neutral, earth) |



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