# KFP-AF2-S-21

## KILSEN Addressable Fire Panel - 2 Loop small cabinet - Portuguese, Portugal

### Overview

The KFP-A 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 curved 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 500 devices 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, fire panel repeaters (including conventional fire panels and fire panel repeaters up to a maximum of 64 conventional zones). Last but not least, in case seperate zone indications are required, a 24 zone fire/fault LED indicator board can be mounted in the panel or repeater with space for a 4 digit number.

### 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 with up to 512 zones and 300 output groups
- Up to 24 LED Zone indicators for Fire and Fault with space for a 4 digit number
- Auto configuration and default regional setup modes
- Ethernet port with TCP/IP for remote maintenance and programming
- EN54 compliant graphical LCD with icons and up to 256 zones
- Jog Dail 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 (20 user names and passwords)
- History log memory for 9999 events
- Up to 24 hours standby time and 30 minutes alarm
- Compatible with the KL700A series detectors with replaceable optical chamber and loop powered sounders and base sounders

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## Technical specifications

### General

| | |
|---|---|
| Maximum system capacity (device count) | up to 32000 |
| Network size (nodes) | up to 64 |

### Electrical

| | |
|---|---|
| Power supply type | VAC |
| Operating voltage | 110 / 230 VAC (+10% / -15%), 50 / 60 Hz (±5%)<br>Cable type: 3 x 1.5 mm² (live, neutral, earth) |
| Current consumption | Nom. 0.6 / 1.3 A, Max. 1.5 / 3.15 A<br>2 / 4 A (Fuse rating) |

### Loop

| | |
|---|---|
| Maximum loop capacity | 2 |
| Cable rating | 56 ohm, 500 nF, max. 2 km, Recommended 2 core 1.5 mm² twisted pair |

### Zone

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

### Input

| | |
|---|---|
| Input type and rating | 150 mA (max. Load), Cable type: Recommended 2 core 1.5 mm² twisted pair |
| Programmable | 2 |
| Termination | 15 kohm |

### Output

| | |
|---|---|
| Output type and rating | Cable type: Recommended 2 core 1.5 mm² twisted pair |
| Termination | 15 kohm |

### Standby battery

| | |
|---|---|
| Capacity | Max. 2 x 12 V, 7.2 Ah (use supplied cables) |

### Physical

| | |
|---|---|
| Form factor | Small |
| Physical dimensions | 410 x 298 x 162 mm (W x H x D) |
| Net weight | 5.2 kg (without battery) |
| Shipping weight | 6.6 kg |
| Colour | Pure white (RAL 9010) |
| Mounting type | Surface mount |
| Cable entries | 9 (20 mm) / 2 (20 mm) / 2 removable plates (Top /Bottom/Back) |

### Environmental

| | |
|---|---|
| Operating temperature | -5 to +40°C |
| Storage temperature | -10 to +50°C |
| Relative humidity | 95% max. noncondensing |
| Environment | Indoor |
| IP rating | IP30: for indoor use only |

### Regulatory

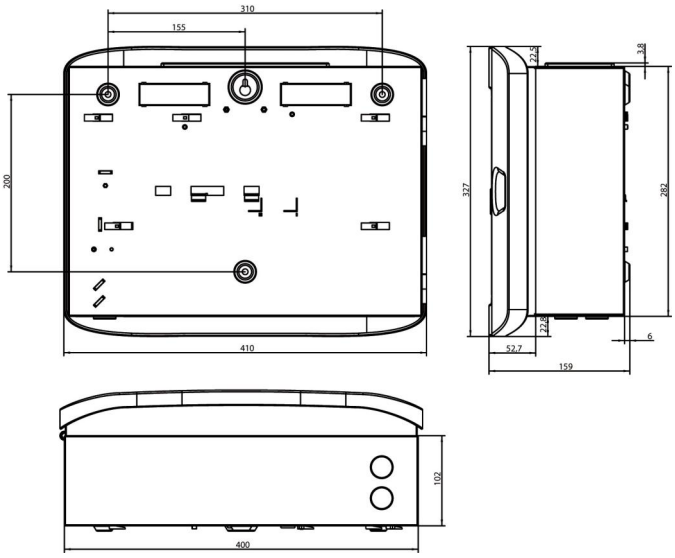
| | |
|---|---|
| Compliancy | BS5839-1, CPD, LPCB, NBNS21-100, NEN2535, RoHS, WEEE |
| Certification | EN54-13, EN54-2, EN54-21, EN54-4, VdS |

### Outputs

| | |
|---|---|
| Programmable supervised | 4, 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) |

### Loops

| | |
|---|---|
| Outputs | 2, 250 mA / 29VDC (29VDC to 36VDC ) |
| Cable length | 56ohm / 500nF max. 2 km |
| Cable type | Recommended 2 core 1.5 mm² twisted pair |




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