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Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

SIGMA CP-A
AlarmSense compatible 2-wire Conventional Fire Alarm Control Panel

Two-Wire - Panel

Part No. KA11020M2 | KA11040M2 | KA11080M2

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Product Details

The Sigma CP-A AlarmSense® range consists of a series of conventional, two, four and eight zone fire alarm control panels.

The AlarmSense system enables all detection and sounder devices in a given zone to be wired to the same pair of cables, greatly reducing the cabling and installation requirements and hence costs.

The AlarmSense range of devices includes smoke and heat detectors, call points, base sounders, base sounder/beacons and relay units – all wired to the same pair of cables.

Having sounders and sounder beacons installed on the same cabling as detectors and call points allows all systems to be configured for common, zonal or two-stage alarms by simply setting one of the panels configuration options.

Selection of the AlarmSense local alarm feature at sounder or sounder beacon bases invokes the alarm verification feature. This is particularly useful in Houses of Multiple Occupation such as student accommodation or nursing homes. When sounder or sounder beacon bases are selected for local alarm mode, alarms are restricted such that only the sounder connected to the activated detector will operate initially. The panel will attempt to reset the activated detector after a time delay and if successful no further alarms are sounded. If the detector re-activates after being reset, a general alarm will sound throughout the premises.

The alarm verification feature of the Sigma CP-A control panel greatly reduces the risk of unwanted alarms or call outs while still providing secure, high quality fire protection throughout the premises.



Key Features

- 2 wire systems, reduces installation cabling
- 2-wire repeaters and ancillary boards via serial bus
- Fully programmable using simple menu options
- Adjustable sounder delay time
- Sounder configuration options
- Zonal sounder delay for detectors only
- Zonal sounder delay for call points only
- Coincidence output via ancillary board
- Short circuit fire selectable by zone
- Non latching selection by zone
- Silent zones (common sounder outputs)
- Zone input delay for sprinkler system connection
- AlarmSense® local alarm feature supported
- Simple, single board construction
- Installer friendly
- Compatible with all AlarmSense® devices
- Two conventional monitored sounder outputs
- 3 Amp power supply
- Auxiliary power output
- Fully certified to BS EN54-2 and BS EN54-4
- Allows systems to be installed in accordance with BS5839: Part 6

Panels

Product Code	Description	Standby Current	Alarm Current	Size (mm)
KA11020M2	2 zone, 4 wire panel	0.065 Amps	0.1 Amps	385 x 310 x 90
KA11040M2	4 zone, 4 wire panel	0.075 Amps	0.21 Amps	385 x 310 x 90
KA11080M2	8 zone, 4 wire panel	0.093 Amps	0.55 Amps	385 x 310 x 90

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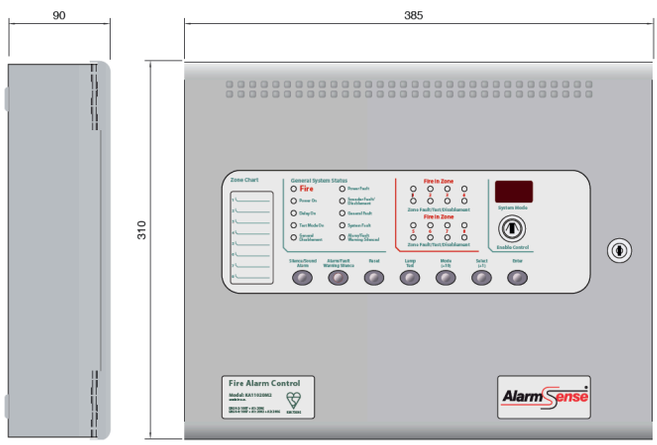
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Panels

Construction	1.2mm mild sheet steel
IP Rating	IP30
Finish	Epoxy powder coated
Colour - lid & box	BS 00 A 05 grey - fine texture
Colour - control panel & labels	RAL 7047 light grey - satin
Weight	6kg
Supply Voltage	230V AC (+10%/-15%)
Mains supply fuse	1.6 Amp 250V
Power supply DC rating	24V 3 Amps
Maximum battery size	7Ah 12V (2 per panel)
Fault contract rating	30V DC 1 Amp
Local fire contract rating	30V DC 1 Amp
Fire contract rating	30V DC 1 Amp
Common Sounder output rating	0.5A per output (max 1.6A over all outputs)
AlarmSense Sounder output rating	0.2A per output
Detection zone current	1.6 milliamps
Detection zone EOL resistor	3K3 5%
Sounder output EOL resistor	10k 5%
Cable capacity	2.5mm² per terminal
Operating temperature	-5°C to +40°C
Operating humidity	<95% (non condensing)

Dimensions



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