

Sigma CP -A

AlarmSense compatible 2-wire Conventional Fire Alarm Control Panels



Features

- Fully certified to BS EN54-2 and BS EN54-4
- Allows systems to be installed in accordance with BS5838: Part 6
- 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

Product Overview

- The new Sigma CP-A AlarmSense® range consists of a series of conventional, 2, 4 and 8 zone fire alarm control panels designed and approved in accordance with European standards BS EN54-2 and BS EN54-4 Fire Detection and Fire Alarm systems - Control and Indicating Equipment.
- The AlarmSense® system enables all devices in a given zone to be wired to the same pair of cables thus 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 alarm 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, any alarm sounders 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. Activation of a second detector or a call point will sound the general alarm immediately
- All control panels have an integral, mains powered battery charger and power supply designed and approved in accordance with the requirements of BS EN54-4.



Ancillary PCB Part No. K580



Sounder PCB Part No. K461



Model No. A11080M2

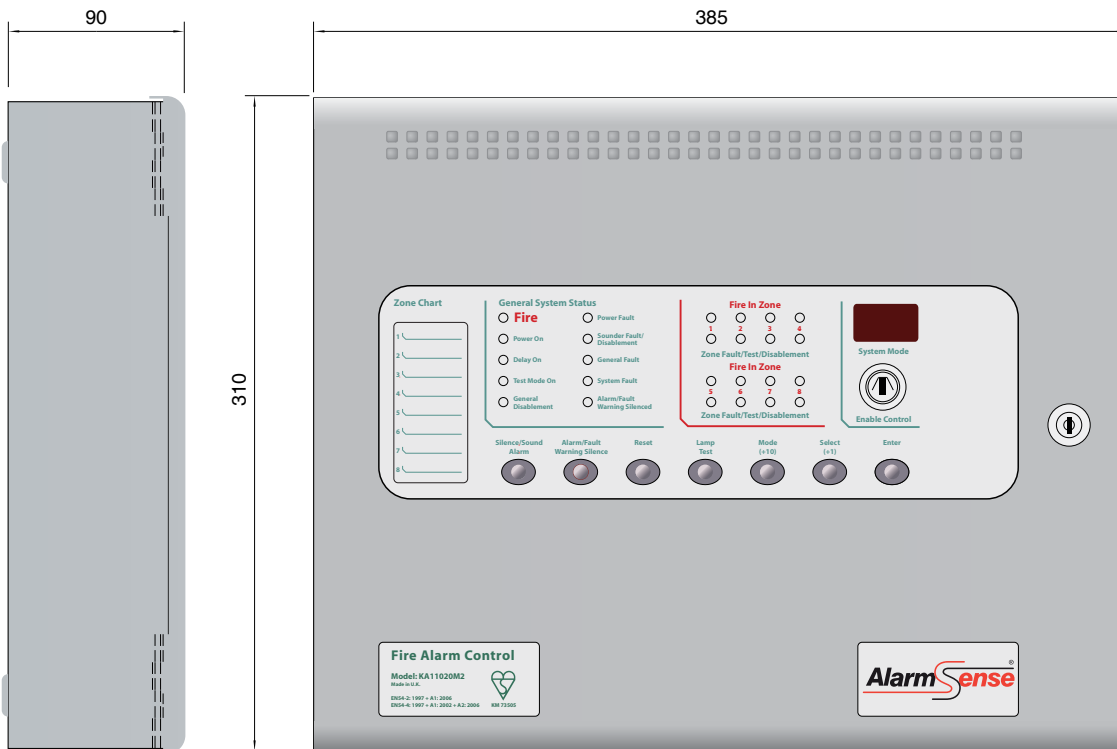
Panels

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

Options

| Product Code | Description |
|--------------|---------------------------------------|
| K580 | Stand alone ancillary board |
| K461 | Sounder PCB |
| M2FCLGT | Bezel for semi flushing panel to wall |
| K02000M2 | Boxed ancillary board |
| K02750M2 | Boxed ancillary board with 0.75A PSU |
| K18002 | Tamper resistant Vision Window * |

* Vision Window can be easily retrofitted to any Sigma CP-A panel



Technical

| | |
|---|-----------------------------------|
| Construction | - 1.2mm mild sheet steel |
| IP Rating | - IP30 |
| Finish | - Epoxy powder coated |
| Colour - lid & box | - BS 00 A 05 grey - fine texture |
| Colour - controls plate & 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 contact rating | - 30V DC 1 Amp |
| Local fire contact rating | - 30V DC 1 Amp |
| Fire contact rating | - 30V DC 1 Amp |
| Common Sounder output rating | - 0.5A per output |
| 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 | - 2.5mm ² per terminal |
| Operating temperature | - -5°C to +40°C |
| Operating humidity | - <95% (non condensing) |