



BS-EN54-2
BS-EN54-4
KM 73505

Sigma CP-A

AlarmSense compatible 2-wire Conventional Fire Alarm Control Panels



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.

Features

- Fully certified to BS EN54-2 and BS EN54-4
- Allows systems to be installed in accordance with BS5839: 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



Ancillary PCB Part No. K580



Sounder PCB Part No. K461



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)

