

## Conventional Fire Alarm Control Panels

### Features

- Fully compliant with & tested to BS EN54-2 and BS EN54-4
- 2-wire and standard versions in 2, 4 or 8 zones
- Compatible for use on BS5839: Part 1: 2002 installations
- 2-wire repeaters and ancillary boards
- Fully programmable using simple menu options
  - Adjustable sounder delay time
  - Sounder configuration options
  - Zonal sounder delay detectors only
  - Zonal sounder delay call points only
  - Coincidence input selection
  - I.S Barrier selection by zone
  - Short circuit fire by zone
  - Non latching zones
  - Silent zones
  - Zone input delay
  - General panel configuration
- Simple, single board construction
- Installer friendly
- Compatible with wide range of detection devices
- Two monitored sounder outputs
- 3 Amp power supply
- Auxiliary power output



Part No. K580



Part No. K461

### Product Overview

- The Sigma CP range consists of a series of conventional fire alarm control panels designed in accordance with European standards BS EN54-2 and BS EN54-4 Fire Detection and Fire Alarm systems - Control and Indicating Equipment.
- The range consists of 2, 4 and 8 zone control panels. All control panels are available in two versions:
  - **Sigma K11** range in which detectors and call points are wired on separate circuits to sounders (two sounder circuits are provided).
  - **Sigma T11** range in which detectors, call points and sounders are wired to the same pair of cables. Commonly referred to as a two-wire system.
- Wiring sounders to the detection circuits eliminates the need to install sounder circuit cables and also offers the ability to provide zoned or two stage sounder operation. (T series only)
- All control panels have an integral, mains powered battery charger and power supply designed in accordance with the requirements of BS EN54-4.

**Note:** For 2-wire T series panels, compatible detectors and call points must be used. All sounders must be polarised.

**Note:** Also available is the Sigma Ancillary Board (K580) which is compatible with all Sigma CP and CP-R panels which have operating software version V2.0 or above. See DS39 (pages 46-47) for more details.

**Note:** Also available is the Sigma Sounder Board (K461) which is compatible with all Sigma CP and CP-R panels which have operating software version V3.0 or above. See DS48 (page 77) for more details.



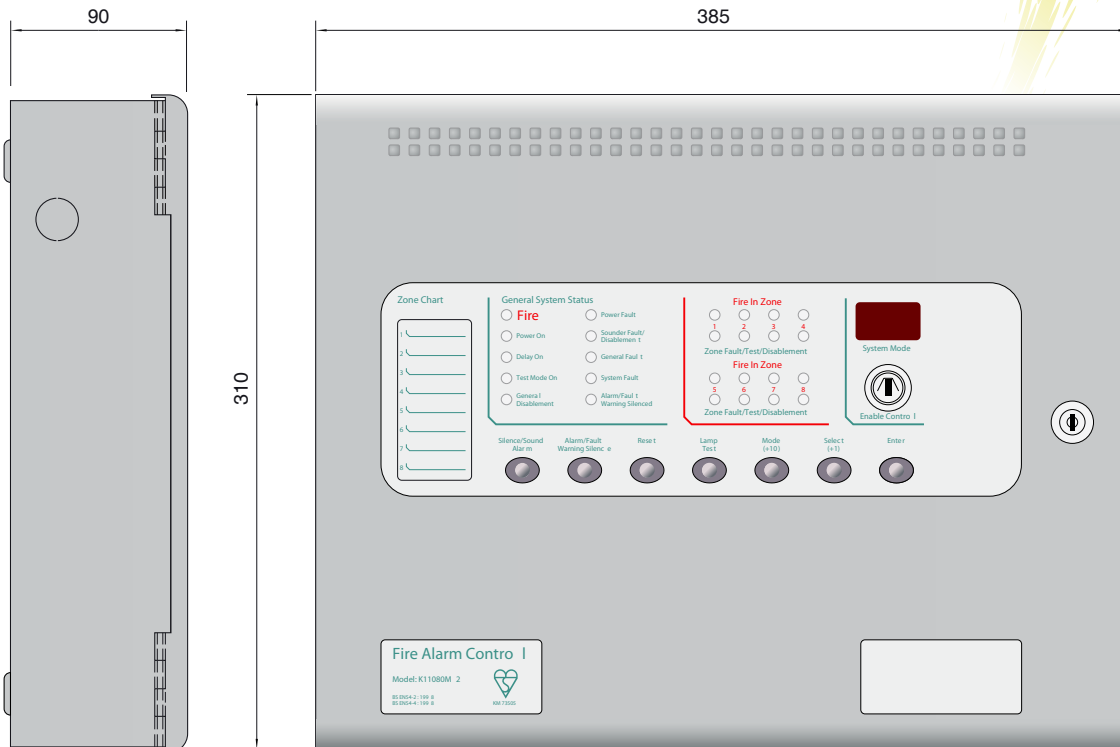
Model No. K11080M2

# Specifications

## Panels

Product Code	Description	Standby Current	Alarm Current
K11020M2	2 zone control panel	0.065 Amps	0.1 Amps
K11040M2	4 zone control panel	0.075 Amps	0.21 Amps
K11080M2	8 zone control panel	0.093 Amps	0.55 Amps
T11020M2	2 zone, 2 wire panel	0.065 Amps	0.15 Amps
T11040M2	4 zone, 2 wire panel	0.075 Amps	0.3 Amps
T11080M2	8 zone, 2 wire panel	0.093 Amps	0.63 Amps
K18002	Tamper resistant Vision Window *	N/A	N/A

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



## Technical

<b>Size</b>	- 385mm(W) x 310mm(H) x 90mm(D)
<b>Construction</b>	- 1.2mm mild steel
<b>Finish</b>	- Epoxy powder coated
<b>Colour - lid &amp; box</b>	- BS 00 A 05 grey - fine texture
<b>Colour - controls plate &amp; labels</b>	- RAL 7047 light grey - satin
<b>Supply voltage</b>	- 230V AC (+10%/-15%)
<b>Mains supply fuse</b>	- 1.6 Amp 250V
<b>Power supply DC rating</b>	- 24V 3 Amps
<b>Maximum battery size</b>	- 7Ah 12V (2 per panel)
<b>Fault contact rating</b>	- 30V DC 1 Amp
<b>Local fire contact rating</b>	- 30V DC 1 Amp
<b>Fire contact rating</b>	- 30V DC 1 Amp
<b>Sounder output rating</b>	- 0.5A per output (max 1.6A over all outputs)
<b>Detection zone current</b>	- 1.6 milliamps
<b>Detection zone EOL resistor</b>	- 6k8 5%
<b>Active EOL</b>	- K14606K (optional)
<b>Sounder output EOL resistor</b>	- 10k 5%
<b>Cable capacity</b>	- 2.5mm <sup>2</sup> per terminal
<b>Operating temperature</b>	- -5°C to +50°C
<b>Operating humidity</b>	- <95% (non condensing)

The manufacturer reserves the right to amend specifications without prior notice