



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

# Sigma CP

## Conventional Fire Alarm Control Panels



### Product Overview

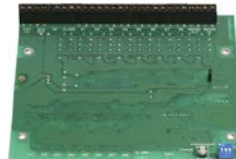
- The Sigma CP range consists of a series of conventional fire alarm control panels designed in accordance with European standards BS EN54-2 and BS EN54-4 Fire Detection and Fire Alarm systems - Control and Indicating Equipment.
- The range consists of 2, 4 and 8 zone control panels. All control panels 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). The Sigma KLI range is offered supplied with Line Continuity Monitoring Units (LCMU's) included to meet the requirements that if a detector is removed any MCP's fitted to the system will still operate.
  - **Sigma T11** range in which compatible detector bases, call points and polarised 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.
- Also available is a range of Ancillary Cards compatible with all Sigma CP Models. Up to 7 Cards of each model can be fitted to each Sigma CP Control Panel & Sigma CPR Repeater Panel Ranges. These include:
  - Sigma Ancillary Board (K580)** operating software version V2.0 or above. See DS39 for more details.
  - Sigma Sounder Board (K461)** operating software version V3.0 or above. See DS48 for more details.

### Features

- Fully certified 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

## Panels

Product Code	Description	LCMU Included	Standby Current	Alarm Current	Size
<b>K11020M2</b>	2 zone, 4 wire panel	No	0.065 Amps	0.1 Amps	385 x 310 x 90
<b>K11040M2</b>	4 zone, 4 wire panel	No	0.075 Amps	0.21 Amps	385 x 310 x 90
<b>K11080M2</b>	8 zone, 4 wire panel	No	0.093 Amps	0.55 Amps	385 x 310 x 90
<b>KL11020M2</b>	2 zone, 4 wire panel	Yes	0.065 Amps	0.1 Amps	385 x 310 x 90
<b>KL11040M2</b>	4 zone, 4 wire panel	Yes	0.075 Amps	0.21 Amps	385 x 310 x 90
<b>KL11080M2</b>	8 zone, 4 wire panel	Yes	0.093 Amps	0.55 Amps	385 x 310 x 90
<b>T11020M2</b>	2 zone, 2 wire panel	N/A	0.065 Amps	0.15 Amps	385 x 310 x 90
<b>T11040M2</b>	4 zone, 2 wire panel	N/A	0.075 Amps	0.3 Amps	385 x 310 x 90
<b>T11080M2</b>	8 zone, 2 wire panel	N/A	0.093 Amps	0.63 Amps	385 x 310 x 90
<b>K18002</b>	Tamper resistant Vision Window *	N/A	N/A	N/A	385 x 310 x 90

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

## Technical

<b>Construction</b>	- 1.2mm mild sheet steel
<b>IP Rating</b>	- IP30
<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>Weight</b>	- 6kg
<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 +40°C
<b>Operating humidity</b>	- <95% (non condensing)

