Sigma CP

Conventional Fire Alarm Control Panels



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

Product Overview

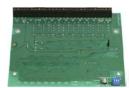
- The Sigma CP range consists of a series of conventional fire alarm control panels designed in accordance with European standards BS EN54-2 and BS EN54-4 Fire Detection and Fire Alarm systems - Control and Indicating Equipment.
- The range consists of 2, 4 and 8 zone control panels. All control panels 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 KL1 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.







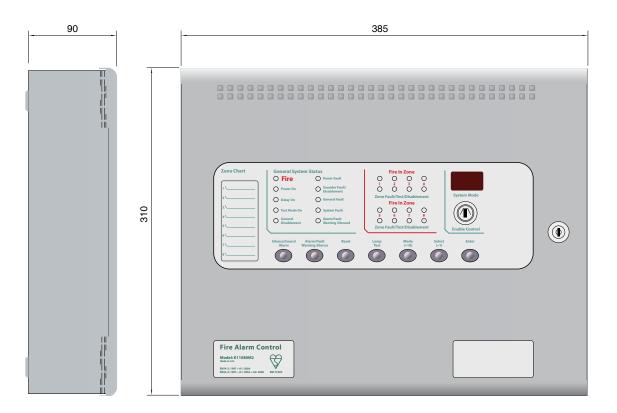
Part No. K461



Panels

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

^{*} Vision Window can be easily retrofitted to any Sigma CP panel



Technical

1.2mm mild sheet steel Construction

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 7Ah 12V (2 per panel)

Maximum battery size Fault contact rating 30V DC1 Amp Local fire contact rating 30V DC1Amp Fire contact rating 30V DC1Amp

Sounder output rating 0.5A per output (max 1.6A over all outputs)

1.6 milliamps Detection zone current Detection zone EOL resistor 6k8 5% **Active EOL** K14606K (optional)

Sounder output EOL resistor

Operating humidity

- 10k 5%

Cable capacity - 2.5mm² per terminal Operating temperature -5°C to +40°C

<95% (non condensing)