



SIGMA CP-R

Conventional Fire Alarm Control Panel Repeater & Ancillary PCB

Features

- ▶ Sigma CP-R
 - ▶ Two wire serial connection
 - ▶ Up to 7 panels per system
 - ▶ 230V AC or 24V DC powered versions
 - ▶ Full control over main panel
 - ▶ Volt free fire and fault contact outputs
- ▶ Ancillary PCB
 - ▶ Two wire serial connection
 - ▶ Up to 7 boards per system
 - ▶ 230V AC or 24V DC powered versions
 - ▶ Open collector zonal fault outputs
 - ▶ Volt free fire, coincidence and common fault contact outputs



Description

The Sigma CP-R Repeater is compatible with all Sigma CP control panels which have operating software version V2.0 or above.

Repeaters are available with 2, 4 or 8 zones and in mains powered (K versions) or 24V powered (E versions).

Mains powered repeaters require only a two core data cable from the main control panel. 24V DC versions require an additional two cores for power either from the main panel or from another 24V DC source.

A mixture of Repeaters, Ancillary boards or Sounder Boards up to a maximum of 7 of each type can be connected to a control panel and each is allocated an address from 1 to 7 using a binary coded DIL switch. The total length of the data cable from the main panel to the last repeater must not exceed 1200 metres.

Panels

Product Code	Description	LCMU Included	Standby Current	Alarm Current	Size (mm)
E01020L2	2 zone Sigma CP-R repeater panel	24V DC	0.075 Amps	0.094 Amps	385 x 310 x 60
E01040L2	4 zone Sigma CP-R repeater panel	24V DC	0.075 Amps	0.098 Amps	385 x 310 x 60
E01080L2	8 zone Sigma CP-R repeater panel	24V DC	0.075 Amps	0.11 Amps	385 x 310 x 60
K01020M2	2 zone Sigma CP-R repeater panel with PSU	24V DC	0.075 Amps	0.094 Amps	385 x 310 x 60
K01040M2	4 zone Sigma CP-R repeater panel with PSU	24V DC	0.075 Amps	0.098 Amps	385 x 310 x 60
K01080M2	8 zone Sigma CP-R repeater panel with PSU	24V DC	0.075 Amps	0.11 Amps	385 x 310 x 60
K580	Stand alone ancillary board	24V DC	0.020 Amps	0.20 Amps	385 x 310 x 60
K02000M2	Boxed ancillary board	24V DC	0.020 Amps	0.20 Amps	385 x 310 x 60
K02750M2	Boxed ancillary board with 0.75A PSU	230V AC	0.020 Amps	0.20 Amps	385 x 310 x 60
K18002	Tamper resistant Vision Window *	N/A	N/A	N/A	N/A

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 for more details.

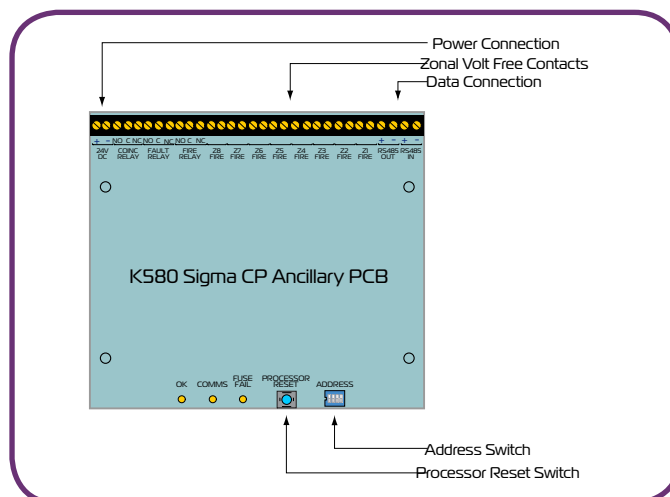
* Vision Window can be easily retrofitted to any Sigma CP-R panel

Sigma CP Specification

Construction	1.2mm mild sheet steel
IP Rating	IP30
Finish	Epoxy powder coated
Colour - lid & box	BS 00 A 05 grey - fine texture
Colour - control panel & labels	RAL 7047 light grey - satin
Weight	6kg
Supply Voltage (K models)	230V AC (+10%/-15%)
Supply Voltage (E models)	20-30V AC
Mains Supply Fuse	1.6A 250V
Power Supply DC rating	24V 1 Amp
Maximum battery size	7aH 12V (2 per panel)
Fault contact rating	30V DC 1 Amp
Fire contact rating	30V DC 1 Amp
Cable capacity	2.5mm ² per terminal
Operating temperature	-5°C to +40°C
Operating humidity	<95% (non condensing)

Ancillary PCB Specification

Construction (boxed)	1.2mm mild sheet steel	Maximum battery size	2.6aH 12V (2 per panel)
IP Rating (boxed)	IP30	Standby current	20mA
Finish	Epoxy powder coated	Full alarm current	190mA
Colour - lid & box	BS 00 A 05 grey - fine texture	Fault contact rating	30V DC1 Amp
Colour - control panel & labels	RAL 7047 light grey - satin	Fire contact rating	30V DC1 Amp
Weight	1kg	Coincidence contact rating	30V DC1 Amp
Supply Voltage (Ko2750M2)	230V AC (+10%/-15%)	Zonal contact rating	30V DC1 Amp
Supply Voltage (K02000M2)	20-30V AC	Cable capacity	2.5mm ² per terminal
Mains Supply Fuse	1.6A 250V	Operating temperature	-5°C to +50°C
Power Supply DC rating	24V 750mA	Operating humidity	<95% (non condensing)



Datasheet DS39/8/17

For further information visit www.kentec.co.uk

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