

# SIGMA SOUNDER

## Sigma CP Conventional Sounder Controller Units

### Features

- ▶ Two wire serial connection
- ▶ Up to 7 sounder boards per system
- ▶ 230V AC or 24V DC powered versions
- ▶ Zoned, 2-stage or common alarm
- ▶ All outputs monitored for open and short circuit faults
- ▶ Individual open and short circuit fault indicators
- ▶ Fully monitored by main control panel
- ▶ Class change input facility
- ▶ Up to 8 outputs with 1A available from each
- ▶ Can be connected to serial bus with Ancillary boards and repeaters
- ▶ Boxed units in enclosure to match Sigma CP control panels
- ▶ Power fault input for monitoring remote power supplies



### Description

The Sigma CP Sounder Board is compatible with all Sigma CP control panels which have operating software version V3.0 or above.

The board provides 8 additional sounder outputs which can be configured as zoned, 2-stage or common alarm.

All sounder outputs are open and short circuit monitored and any faults on the sounder outputs will be announced at the main fire alarm panel as a sounder fault.

A class change input is provided which, when activated by a volt free contact closing, will switch all sounder outputs on.

Mains powered units require only a two core data cable from the main control panel. 24V DC versions require an additional two cores from another 24V DC source which is suitably rated to supply the total sounder current. 230V versions have their own power supply which is rated to supply sounder loads

up to 5.25 Amps.

Up to 7 Sounder boards can be connected to a control panel and each is allocated an address from 1 to 7 using a binary coded DIL switch. Sounder boards may be connected to the Sigma CP serial bus in addition to Sigma CP ancillary boards and Sigma CP-R repeater panels.

The total length of the data cable from the main panel to the last repeater must not exceed 1200 metres. Once Sounder boards have been recognised by the main panel, a fault will be announced at the main panel if any become disconnected.

### Panels

Product Code	Description	Weight	PSU	Size (mm)
K461	Stand alone sounder PCB	1kg	24V DC	155 x 136
Ko4000M2	Boxed sounder PCB	6kg	24V DC	385 x 310 x 90
Ko4400M2	Boxed sounder PCB with 5.25 Amp PSU	6kg	230V DC	385 x 310 x 90

Specification	
Construction (Boxed)	1.2mm mild steel
IP Rating (Boxed)	IP30
Finish	Epoxy powder coated
Colour - lid & box	BS 00 A 05 grey - fine texture
Supply Voltage (Ko4400M2)	230V AC (+10%/-15%)
Supply Voltage (Ko4000M2)	20-30V DC
Mains supply fuse	1.6A 250V
Power supply DC rating	24V 5.25 Amp
Sounder output rating	1A per output
Class change input	Volt free NOC
Cable capacity	2.5mm <sup>2</sup> per terminal
Operating temperature	-5°C to +50°C
Operating humidity	<95% (non condensing)