

Economy Conventional Fire Alarm Control Panels

Product Overview

- The Sigma range of Control Panels has been designed with economy in mind and are based on well proven, established electronic circuitry.
- Many features and facilities have been incorporated as standard to aid operation, maintenance and testing, including one man test and zone isolation functions.
- Modern state-of-the-art production techniques such as surface mount technology components, automatic component placement and automatic testing are used to improve reliability and reduce overall size.
- The panel enclosure is a flame retardant ABS injection moulded cover; this permits a design of smooth flowing lines to be used which is both modern and functional.
- The integral battery charger/power supply and generous battery space combine to make the panels compact but with the flexibility to provide long standby operation should it be required.

Features

- 1 man zone test mode
- 1, 2, 4 and 6 zones
- 2 monitored sounder outputs
- Fault volt free changeover contacts
- Fire volt free changeover contacts
- Fire contact disable function
- Head removal monitoring
- Option for fire contact on evacuation
- Zone disable function
- Remote evacuate input intermittent or continuous
- Sounder disable function
- User-friendly and simple in operation
- Auxiliary power output
- Compact, lightweight design
- Easy to install
- Easy to service and maintain
- Integral charger with reverse battery polarity protection
- Space for up to 7Ah batteries



Model No. K1004000

Technical

Size	- 315mm(W) x 235mm(H) x 84mm(D)
Packed size	- 330mm(W) x 250mm(H) x 100mm(D)
Packed weight	- 1-2 zone panels = 3kg 4-6 zone panels = 3.2kg
Construction	- Flame retardant ABS injection moulded
Finish	- Light texture
Standard colour	- Stone grey
Chassis	- 1mm mild steel, powder coated, off white
Mains supply	- 230V AC (+10%/-15%)
Standby Battery	- 7Ah 12V (2 per panel)
Detection line voltage	- 21-28V DC (optional 21.5V line)
Detection line quiescent current	- 2mA max per zone
Short circuit threshold	- 0 - 40 Ohms
Alarm threshold	- 40 - 740 Ohms
Open circuit threshold	- >10K Ohms
Operating temperature	- -5°C to +50°C
Operating humidity	- To 95% (non condensing)
Call points	- 470 Ohm or 680 Ohm series resistor
Sounder circuit end of line	- 20K Ohms
Zone circuit end of line	- 6k8 Ohms
Active end of line	- LCMU (K1406K) (optional)

Available only as surface mounting unit

Specifications

Panels

Product Code	E1001000	K1001000	K1002000	K1004000	K1006000
Number of zones	1	1	2	4	6
Sounder outputs	250mA total	500mA total	500mA total	500mA total	500mA total
Zone disable function	N/A	●	●	●	●
One man test	N/A	●	●	●	●
Fire volt free changeover contact	N/A	1A @ 30V DC	1A @ 30V DC	1A @ 30V DC	1A @ 30V DC
Remote evacuate input	N/A	switched -VE	switched -VE	switched -VE	switched -VE
Sounder disable	N/A	●	●	●	●
Fire contact disable switch	N/A	●	●	●	●
Integral charger/PSU	750mA	1.25A	1.25A	1.25A	1.25A
Auxiliary fused output 24V	N/A	100mA	100mA	100mA	100mA
Head removal monitoring	○	○	○	○	○
Standby current	50mA	56mA	66mA	76mA	86mA
Alarm current	82mA	136mA	166mA	176mA	186mA
Fault volt free changeover contact	N/A	1A @ 30V DC	1A @ 30V DC	1A @ 30V DC	1A @ 30V DC
Fire contact on evacuation switch	N/A	N/A	●	●	●

● = Standard equipment

○ = Optional equipment (using LCMU)

N/A = Not Available