

Conventional Fire Alarm Mimic System

Features

- Up to 320 LED's can be controlled
- Select up to 12 printed colours (not including background and building outline)
- Available in a range of standard enclosures to suit any application
- Bespoke sized units can be made upon request
- Choice of Red, Green or Yellow LED's
- Available with or without controls
- Same look and feel as Sigma range
- Sigma Matrix can easily be upgraded on site with minimal cost and effort
- EN54-4 approved PSU (optional)

View showing mimic mounted on inner door



View showing LED grid



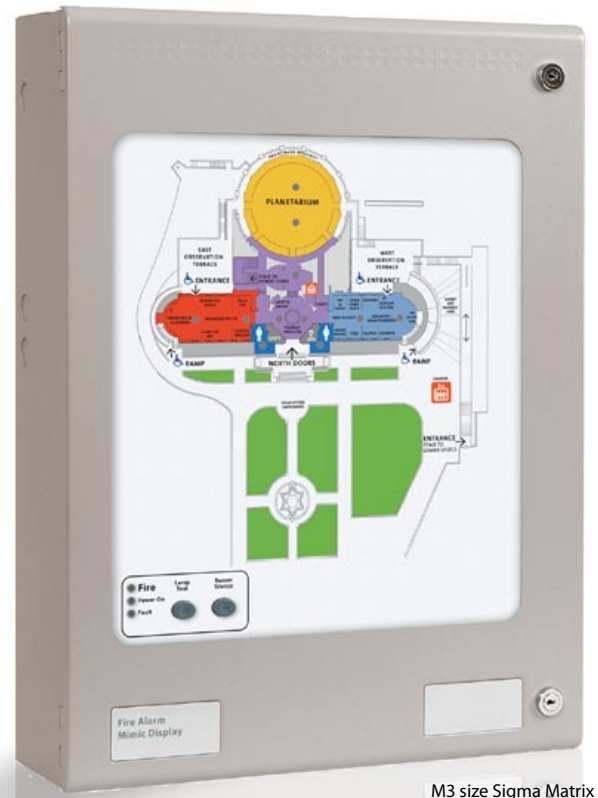
View showing internal layout



PSU optional

Product Overview

- The Sigma Matrix system uses flexible, fibre optic light guides to illuminate areas on a floor plan, laid over a high resolution grid. This unique system dispenses completely with wiring and enables indicators to be moved, removed or added on site without the need for any wiring.
- All indicators can be configured to operate via switched positive or negative inputs providing compatibility with a wide range of input/output boards. Sigma Matrix can be supplied with or without common LEDs and controls. Optional LEDs indicate Power on, Fire and Fault and optional controls are for Buzzer silence and Lamp test.
- Housed in attractive, slimline enclosures to match Sigma fire alarm panels and with high quality, full colour or monochrome floor plans, Sigma Matrix provides a clear, geographical indication of fire alarm activation enabling speedy identification of the source of an alarm.



M3 size Sigma Matrix

Technical

Mains supply*	- 230V AC +10% - 15% (100 Watts max.)
Mains supply fuse*	- T2A L250V Replace only with similar type
Power supply rating*	- 4 Amps total including battery charge 28V +/- 2V
Maximum ripple current*	- 200 millivolts
Battery type* (Yuasa NP)	- Two 12 Volt sealed lead acid (7Ah maximum)
Battery charge voltage*	- 27.6VDC nominal (temperature compensated)
Battery charge current*	- 1.5A maximum
Max. current draw from batteries*	- 3 Amps. With mains power source disconnected
Supply voltage (24V versions)	- 18 to 30V DC
Terminal capacity	- 0.5mm ² to 2.5mm ² solid or stranded wire
Enclosure Size & mimic area	- See 'Enclosure Size Options'
Construction	- 1.2mm mild steel
Finish	- Epoxy powder coated
Colour - lid & box	- BS 00 A 05 grey - fine texture
Colour - controls plate & labels	- RAL 7047 light grey - satin
Mimic	- 3mm Clear Anti-Glare Acrylic
Cabinet locks	- M2/M3 - standard 801 key, S3/S4 - standard KT3001 key
Maximum distance from control panel	- 1km with 1.5mm ² cable
IP rating	- IP30
Operating temperature	- -5°C to +50°C
Number of indicators (standard models)	- M2 size - up to 32, M3 and S3 size - up to 64, S4 size - up to 96

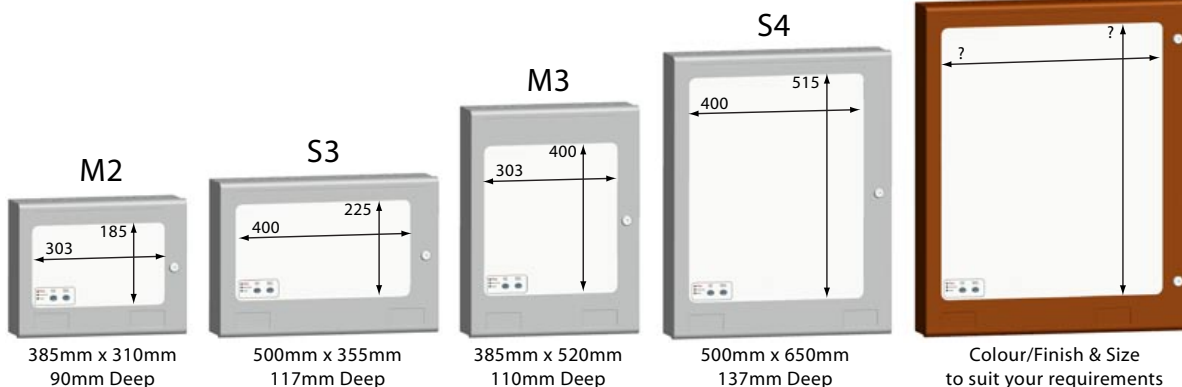
* 230 V Versions only

Specifications

Enclosure Size Options

Max. number of LED's = 32	Max. number of LED's = 64	Max. number of LED's = 64	Max. number of LED's = 96	Max. number of LED's = 320
Will house 1 x 32 LED driver PCB	Will house 1 x LED driver PCB and 1 x 32 LED extension PCB's	Will house 1 x 32 LED driver PCB and 1 x 32 LED extension PCB's	Will house 1 x 32 LED driver PCB and 2 x 32 LED extension PCB's	Will house 1 x 32 LED driver PCB and up to 9 x 32 LED extension PCB's
(Red, Green or Yellow)	(Red, Green or Yellow)	(Red, Green or Yellow)	(Red, Green or Yellow)	(Red, Green or Yellow)

Bespoke Size



The manufacturer reserves the right to amend specifications without prior notice