

Intelligent Fire Alarm Mimic Display System

Product Overview

Features

- Up to 504 LED's can be controlled from any Syncro or Syncro AS panel
- Select up to 12 printed colours (not including background and building outline)
- Available in a range of standard enclosures to suit any applications
- 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 Syncro range
- Syncro Matrix can easily be upgraded on site with minimal cost and effort
- EN54-4 approved PSU (optional)
- Configured via standard Loop Explorer Software

- The Syncro 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 upon any event type and at point, zone or group level via Kentec's powerful and intuitive Loop Explorer configuration programme. Syncro Matrix can be supplied with or without LEDs and controls. Optional LEDs indicate Power on, Fire, Fault and Disablement and optional controls are for Alarm silence, Buzzer silence, Lamp test and Reset.
- Housed in attractive, slimline enclosures to match Syncro and Syncro AS fire alarm panels and with high quality, full colour or monochrome floor plans, Syncro Matrix provides a clear, geographical indication of fire alarm activation enabling speedy identification of the source of an alarm.

View showing mimic mounted on inner door



View showing LED grid



View showing internal layout



Panels

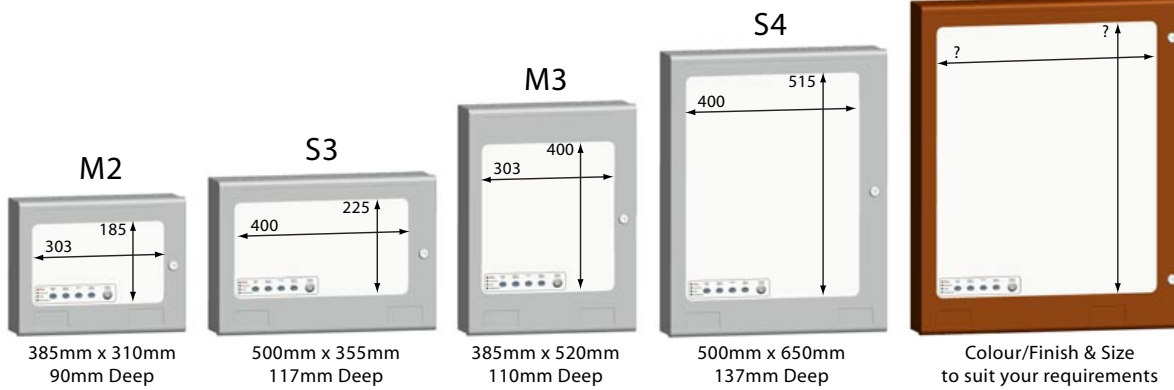
No. LED's	Standby Current	Full Alarm Current	Batteries for 24 hours	Batteries for 48 hours
24	0.026	0.09	0.88Ah	1.76Ah
56	0.052	0.18	1.75Ah	3.5Ah
88	0.78	0.36	11Ah	22Ah

Specifications

Enclosure Size Options

Max. number of LED's = 24	Max. number of LED's = 56	Max. number of LED's = 56	Max. number of LED's = 88	Max. number of LED's = 504
Will house 1 x 8 Red LED driver PCB and 1 x 16 LED extension PCB's (Red, Green or Yellow)	Will house 1 x 8 Red LED driver PCB and 3 x 16 LED extension PCB's (Red, Green or Yellow)	Will house 1 x 8 Red LED driver PCB and 3 x 16 LED extension PCB's (Red, Green or Yellow)	Will house 1 x 8 Red LED driver PCB and 5 x 16 LED extension PCB's (Red, Green or Yellow)	Will house 1 x 8 LED driver PCB (Red) and up to 31 x 16 LED extension PCB's (Red, Green or Yellow)

Bespoke Size



Technical

Mains supply (230V Versions only)	- 230V AC +10% - 15% (100 Watts max.)
Mains supply fuse (230 V Versions only)	- T2A L250V Replace only with similar type
Power supply rating (230 V Versions only)	- 4 Amps total including battery charge 28V +/- 2V
Max. ripple current (230 V Versions only)	- 200 millivolts
Battery type (Yuasa NP)	- Two 12 Volt sealed lead acid (7Ah maximum)
(230 V Versions only)	
Battery charge voltage	- 27.6VDC nominal (temperature compensated)
(230 V Versions only)	
Battery charge current	- 1.5A maximum
(230 V Versions only)	
Max. current draw from batteries	- 3 Amps. With mains power source disconnected
(230 V Versions only)	
Quiescent current	- See above
Supply voltage (24V versions)	- 21 to 30V DC
Supply current	- See above
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
Enable keyswitch (if fitted)	- Standard 901 key
Cabinet locks	- M2/M3 - standard 801 key, S3/S4 - standard KT3001 key
Communications interface	- RS485 - Syncro/Syncro AS serial I/O bus protocol
Maximum distance from control panel	- 1.2Km using RS485 data cable
IP rating	- IP30
Operating temperature	- -5°C to +50°C
Number of indicators (standard models)	- M2 size - up to 24, M3 and S3 size - up to 56, S4 size - up to 88

The manufacturer reserves the right to amend specifications without prior notice