

# Syncro Matrix

## Intelligent Fire Alarm Mimic Display System



### Features

- Up to 504 LED's can be controlled from any Syncro or Syncro AS panel
- Full colour printing
- 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

### Product Overview

- 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



PSU optional

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	0.078	0.36	2.8Ah	5.2Ah

## Technical

### Construction

### IP Rating

### Finish

### Colour - lid & box

### Colour - controls plate & labels

### Weight

### Mimic

### Number of indicators (standard models)

### Mains supply (230V Versions only)

### Mains supply fuse (230 V Versions only)

### Power supply rating (230 V Versions only)

### Max. ripple current (230 V Versions only)

### Battery type (Yuasa NP)

### (230 V Versions only)

### Battery charge voltage

### (230 V Versions only)

### Battery charge current

### (230 V Versions only)

### Max. current draw from batteries

### (230 V Versions only)

### Quiescent current

### Supply voltage (24V versions)

### Supply current

### Terminal capacity

### Enable keyswitch (if fitted)

### Cabinet locks

### Communications interface

### Maximum distance from control panel

### Operating temperature

- 1.2mm mild steel
- IP30
- Epoxy powder coated
- BS 00 A 05 grey - fine texture
- RAL 7047 light grey - satin
- 10kg (M2 panel)
- 3mm Clear Anti-Glare Acrylic
- M2 size - up to 24, M3 and S3 size - up to 56, S4 size - up to 88
- 230V AC +10% - 15% (100 Watts max.)
- T2A L250V Replace only with similar type
- 5.25 Amps total including battery charge 28V +/- 2V
- 200 millivolts
- Two 12 Volt sealed lead acid (7Ah maximum)
- 27.6VDC nominal (temperature compensated)
- 1.5A maximum
- 3 Amps. With mains power source disconnected
- See above
- 21 to 30V DC
- See above
- 0.5mm<sup>2</sup> to 2.5mm<sup>2</sup> solid or stranded wire
- Standard 901 key
- M2/M3 - standard 801 key, S3/S4 - standard KT3001 key
- RS485 - Syncro/Syncro AS serial I/O bus protocol
- 1.2Km using RS485 data cable
- -5°C to +50°C

## Enclosure Size Options

Max. number of LED's = 24  
Will house 1 x 8 Red LED driver PCB and 1 x 16 LED extension PCB's (Red, Green or Yellow)

Max. number of LED's = 56  
Will house 1 x 8 Red LED driver PCB and 3 x 16 LED extension PCB's (Red, Green or Yellow)

Max. number of LED's = 56  
Will house 1 x 8 Red LED driver PCB and 3 x 16 LED extension PCB's (Red, Green or Yellow)

Max. number of LED's = 88  
Will house 1 x 8 Red LED driver PCB and 5 x 16 LED extension PCB's (Red, Green or Yellow)

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

