ADDRESSABLE MATRIX

Local LCD Control Panel Repeaters

Features

- Up to 504 LED's can be controlled from any Syncro AS or Taktis Fire 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
- Syncro Matrix can easily be upgraded on site with minimal cost and effort
- EN54-4 approved PSU (optional)

Description

The addressable 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.

Ideal for buildings such as hospitals where the building layout may evolve over a period. As the building changes, so too can the addressable Matrix, with very little cost or disruption.

The addressable Matrix can be supplied with or without common 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.

It provides a clear, geographical indication of fire alarm or other system activation enabling speedy identification of the source of an alarm or other events.

Where the requirements of the installation exceed the standard range of addressable Matrix panels, completely bespoke solutions are available. The enclosure size, mimic viewing area, colour and finish can all be tailored for the individual requirements of the site, including the option of surface or flush construction.

Up to 32 mimic PCB's can be connected to a single Syncro AS or Taktis Fire panel giving a total of 504 LED's that can be individually configured via the standard loop explorer configuration software. To increase the flexibility of this product further, the LED extension boards are available in with yellow or green indicators fitted.

View showing mimic mounted on inner door

View showing LED grid

View showing internal layout

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For further information visit www.kentec.co.uk

Specification	
Construction	1.2mm mild sheet steel
IP Rating	IP30
Finish	Epoxy powder coated
Colour - lid & box	BS 00 A 05 grey - fine texture
Colour - controls plate & labels	Ral 7047 light grey - satin
Weight	10kg (M2 panel)
Mimic	3mm Clear Anti-Glare Acrylic
Number of indicators (standard models)	M2 size - up to 24, M3 and S3 size - up to 56, S4 size - up to 88
Mains supply (230V Versions only)	
Mains supply fuse (230 V Versions only)	230V AC +10% - 15% (100 Watts max.)
Power supply rating (230 V Versions only)	T2A L250V Replace only with similar type
Max. ripple current (230 V Versions only)	5.25 Amps total including battery charge 28V +/ 2V
Battery type (Yuasa NP) **(230 V Versions only)**	200 millivolts Two 12 Volt sealed lead acid (7Ah maximum)
Battery charge voltage **(230 V Versions only)**	27.6VDC nominal (temperature compensated)
Battery charge current **(230 V Versions only)**	1.5A maximum
Max. current draw from batteries (230 V Versions only)	3 Amps. With mains power source disconnected
Quiescent current	See above
Supply voltage (24V versions)	21 to 30V DC
Supply current	See above
Terminal capacity	0.5mm2 to 2.5mm2 solid or stranded wire
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
Operating temperature	-5°C to +50°C

Panels				
No. of LEDs	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

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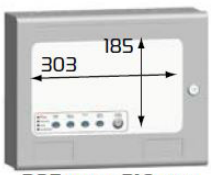
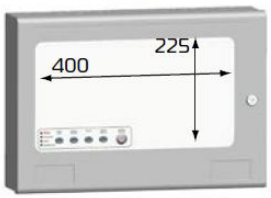
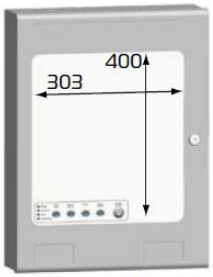
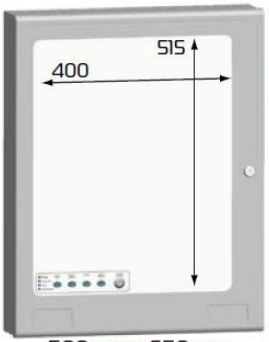
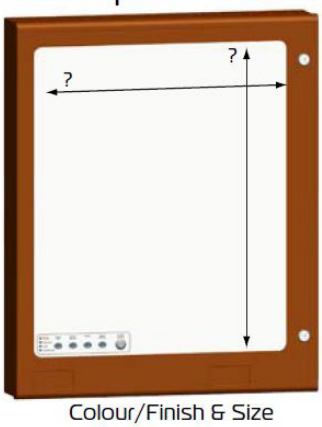
Enclosure Size Options

M2	S3	M3	S4	Bespoke Size
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)
				
385mm x 310mm 90mm Deep	500mm x 355mm 117mm Deep	385mm x 520mm 110mm Deep	500mm x 650mm 137mm Deep	Colour/Finish & Size to suit your requirements