

eMATRIX

CONFIGURABLE FLOOR PLAN MIMIC ANNUNCIATOR



Standard Features

- Available in Red or Gray
- Up to 504 LEDs can be controlled from any Supreme panel
- Select up to 12 printed colors (not including background and building outline)
- Available in a range of standard enclosures to suit any application
- Custom sized units can be made upon request
- Choice of Red, Green or Yellow LEDs
- eMATRIX can easily be upgraded on site with minimal cost and effort
- UL 864 9th edition listed

Product Overview

The eMATRIX system uses flexible, 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 the powerful and intuitive Loop Explorer configuration. eMATRIX can be supplied with or without LEDs and controls. Optional LEDs indicate Power on, Fire, Trouble and Disabling and optional controls are for Alarm silence, Buzzer silence, Lamp test and Reset.

Housed in attractive, slimline enclosures to match Supreme fire alarm panels and with high quality, full color floor plans, eMATRIX provides a clear, geographical indication of fire alarm activation enabling speedy identification of the source of an alarm.



Building Plan Mounted on Inner Door



LED Grid



Mimic Panel Internal Layout

Technical Specifications

Supply Voltage	21 - 30VDC
Terminal Capacity	12 - 22 AWG solid or stranded wire
Construction	18 AWG, 1.2 mm mild sheet steel
Finish	Epoxy Powder Coated
Color	<div> <div>● Red (RAL3002)</div> <div>● Gray (BS 00 A 05)</div> </div>
Mimic	3mm Clear Anti-Glare Acrylic
Cabinet Lock	CAT30 Key
Communication Interface	RS485 – Supreme serial I/O bus protocol
Maximum Distance from Control Panel	4000 feet using RS485 data cable
IP Rating	IP30
Operating Temperature Range	20°F (0°C) to 120°F (49°C)
Relative Humidity	85% RH Non-Condensing

Ordering Codes

AS1301-XYZ	eMATRIX Mimic Panel Size AM2 - Red Color
AS1304-XYZ	eMATRIX Mimic Panel Size AM2 - Gray Color
AS1321-XYZ	eMATRIX Mimic Panel Size AM3 - Red Color
AS1324-XYZ	eMATRIX Mimic Panel Size AM3 - Gray Color
AS1331-XYZ	eMATRIX Mimic Panel Size AM3 - Red Color
AS1334-XYZ	eMATRIX Mimic Panel Size AM3 - Gray Color

Where:

"X" denotes the number of Red Expansion Boards

"Y" denotes the number of Green Expansion Boards

"Z" denotes the number of Yellow Expansion Boards

Note:

Maximum number of expansion boards / LEDs as follows:

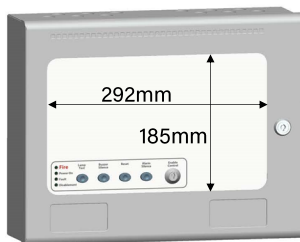
AM2: 2 expansion boards maximum (40 LEDs)

AM3: 4 expansion boards maximum (72 LEDs)

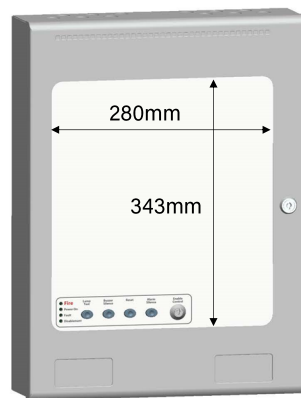
AM4: 5 expansion boards maximum (88 LEDs)

Battery Life

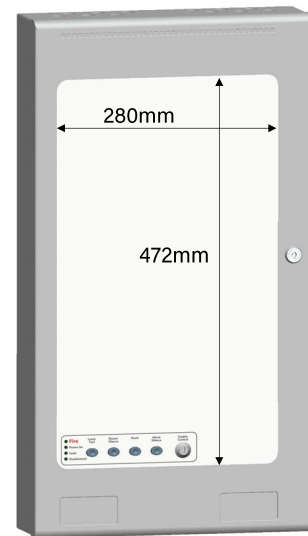
Number of LEDs	Standby Current (Amp)	Full Alarm Current (Amp)	Batteries for 24 Hours (Ah)	Batteries for 48 Hours (Ah)
40	0.026	0.09	0.88	1.76
72	0.052	0.18	1.75	3.5
88	0.078	0.36	2.8	5.2



Max. number of LED's = 40
Will house 1 x 8 Red LED driver PCB
and 2 x 16 LED extension PCB's
(Red, Green or Yellow)
369mm wide x 310 mm high x
90mm deep



Max. number of LED's = 72
Will house 1 x 8 Red LED driver PCB
and 4 x 16 LED extension PCB's
(Red, Green or Yellow)
369mm wide x 480 mm high x
110mm deep



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)
369mm wide x 610 mm high x
127mm deep