

eMatrix

Configurable Floor Plan Mimic Annunciator



Standard Features

- Available in Red or Gray
- Up to 504 LED's 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 LED's
- 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 Disablement and optional controls are for Alarm silence, Buzzer silence, Lamp test and Reset.

Housed in attractive, slim line 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.

View showing mimic mounted on inner door



View showing LED grid



View showing internal layout



Model Numbers

eMatrix Mimic Display, Model AS130X-YYY, -132X-YYY, -133X-YYY, where X can be the number 1 or 2 denotes color of enclosure, and YYY denotes the number of LED extension boards, which can be either 1, 3, or 5 boards. Please contact Avenger for assistance with any configuration options

No. of LED's	Standby Current	Full Alarm Current	Batteries for 24 hours	Batteries for 48 hours
40	0.026	0.09	0.88Ah	1.76Ah
72	0.052	0.18	1.75Ah	3.5Ah
88	0.078	0.36	2.8Ah	5.2Ah

Technical Specifications

Current Draw: See Table 1

Supply voltage: 21 to 30V DC

Supply current: See above

Terminal capacity: 22 AWG to 12 AWG solid or stranded wire

Enclosure Size & mimic area: see 'Enclosure Size Options'

Construction: 16 gauge mild steel

Finish: epoxy powder coat

Mimic: 3mm Clear Anti-Glare Acrylic

Cabinet locks: CAT30 key

Communications interface: RS485 – Supreme serial I/O bus protocol

Maximum distance from control panel: 4000 feet using RS485 data cable

IP rating: IP30

Operating temperature: 20°F to 120°F

Number of indicators (standard models):

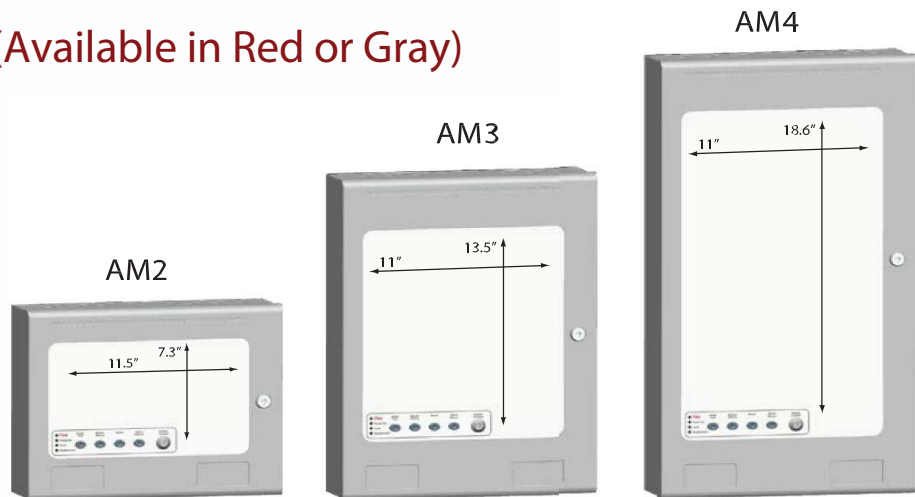
AM2 size - up to 40 LED's

AM3 size - up to 72 LED's

AM4 size - up to 88 LED's

Enclosure Size Options

(Available in Red or Gray)



14.5" Wide x 12.2" High x 3.5" Deep
 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)

14.5" Wide x 18.9" High x 4.25" 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)

14.5" Wide x 24" High x 5" 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)