SHIELD®
TRUSTED WORLDWIDE

FIRE DETECTION SOLUTIONS

AURA®

SIGNALING
UL® LISTED

ADDRESSABLE FIRE ALARM CONTROL PANEL

2 - 16 LOOPS (TOUCH CONTROL)

PRODUCT OVERVIEW

Shield AURA is designed as one of the most powerful, intelligent and technically robust fire alarm products available. It has enhanced integration and networking capabilities to meet the current and future needs of small to larger buildings and installations.

Initially configured as a fire detection and alarm system, the flexibility of AURA is such that it can be re-configured to realise many other control and indication applications, with direct integration into intelligent buildings.

Available in four and eight slot variants, AURA fire control panel ranges from two to sixteen detection loops and can be networked up to 128 panels, making it ideal for the largest sites such as schools, hospitals, multi-site retail/supermarkets, critical infrastructure and major commercial and industrial facilities.

Each AURA analogue addressable control panel gives installers and end-users maximum choice in their systems' design, and the scalable nature of the product provides the highest level of future-proofing and networking possibilities.

The modular nature of AURA allows all field wiring to be connected to a passive motherboard enabling addition, re-configuration or replacement of all electronic hardware

STANDARD FEATURES

- UL864 (10th edition) Listed.
- 2 to 8 loop or 2 to 16 loop versions
- 400mA loop current.
- 7", full-color resistive touch screen with intuitive user interface.
- Supports 16 multiple languages including English & Arabic as GUI (Graphical User Interface).
- Programming via USB port to PC or memory stick.
- 4 programmable NACs; Class B or 2 Class A with internal synchronization
- 5.25 A or 10.25 A power supply options.
- 3 programmable inputs and 5 programmable relay outputs.
- Up to 24 programmable soft "function keys".
- Hard-wired fire and trouble routing inputs and outputs.
- Modular and expandable electronics.
- 400 subaddress points per loop (800 per loop module).
- Option to "invert" inputs and outputs.
- 5000 programmable cause and effects; over 50,000 inputs and outputs.
- Can be networked with programmable functionality.

without the need to disconnect any field wiring. This modularity also allows each panel to be customised with addressable loop detection circuits, conventional detection circuits, relay cards, additional sounder outputs or programmable I/O modules as required.

Not only does AURA provide solutions to the most technically challenging applications in life safety, it will also deliver added value, market advantage and a competitive edge to your business.

THE DUAL LOOP PANEL MODULE (AUL-9058)

The Dual Loop Panel Module monitors loop device status and provides status to the panel processor. It holds device configurations and operates in a standalone manner when catastrophic failures occur.

16 CHANNEL I/O INTERFACE CARD (AUL-9072)

The 16 Channel I/O Interface enhances the versatility of the alarm system by providing additional input and output capabilities to the AURA Fire Alarm Control Panel. Inputs or outputs can be selected for up to 16 individual channels, and are configured in the same way as devices connected to addressable loops of the panel. The 16 Channel I/O Interface can be configured to contribute or act upon cause and effect logic.

MEDIA GATEWAY™ PANEL MODULE (AUL-9088)

The Media Gateway Panel Module provides connectivity to monitoring centers using IP (Sur-Gard), or dial-up connectivity. The Media Gateway may also be used to meet integration application requirements.

8 CHANNEL RELAY PANEL MODULE (AUL-9091)

The 8 Channel Relay Panel Module has 8 voltage-free changeover relay contacts, each of which can be individually programmed. All outputs are configurable in the same way as devices connected to the loops and all may be acted upon by cause and effect logic. These boards are typically used in applications which require more than the five standard relay outputs, such as signaling to other systems or plant control.

NETWORK MODULE (AUL-9023)

The AURA Network Module provides enhanced highspeed communication for networking fire control panels. The network provided by this module can support combinations of AURA Fire Alarm Control Panels and AURA Vision units. AURA Fire Alarm Control Panels can receive events from other panels in the network. The Class X networking used in conjunction with the Network Module provides tolerance against open and short circuit trouble conditions.

PRINTER (AUL-9068)

The AURA Printer is an optional feature for printing fire system events as they occur. The printer is located on the fascia, below the Zone LEDs (if present). It is a thermal printer and never requires replacement ink. Printing is performed on heat-sensitive paper rolls. A trouble message is reported when the paper runs out. The printer includes a front-loading feature for replacing paper rolls.

ZONE LED MODULE (AUL-9071)

The Zone LED module contains 48 LEDs and is connected to the LCD Main Processor Board of the AURA Fire Alarm Control Panel.

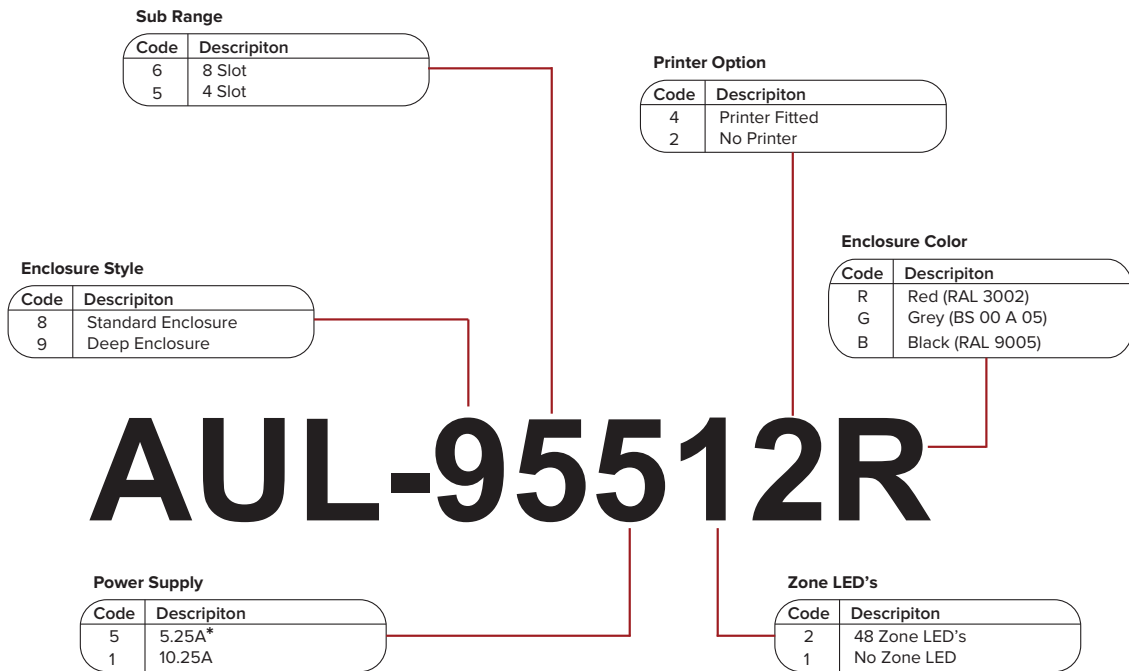## 4 CHANNEL NAC PANEL MODULE (AUL-9093)**

Additional NAC output capability can be added to by using 4 Channel NAC Modules. These boards have 4 supervised NAC outputs, each of which can be individually programmed. The circuits can be configured for class A or B operation. These circuits can be configured to act upon cause and effect logic.

8 CHANNEL CONVENTIONAL ZONE PANEL MODULE (AUL-9023)**

The 8 Channel Conventional Zone Panel Module has 8 supervised detection circuits (Class B). Each circuit can support up to 20 conventional detectors and approved devices. Individual circuits may be configured for trigger resistor or short circuit activation. These circuits may be used for any of the standard input actions and can be configured to contribute to cause and effect logic. Each pair of circuits (e.g., 1 and 2, 3 and 4, etc.) can be joined to form a single Class A configuration.

*** Future enhancement.**

PRODUCT CODE CONFIGURATOR

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Sub Range

Code	Descripiton
6	8 Slot
5	4 Slot

Printer Option

Code	Descripiton
4	Printer Fitted
2	No Printer

Enclosure Style

Code	Descripiton
8	Standard Enclosure
9	Deep Enclosure

Enclosure Color

Code	Descripiton
R	Red (RAL 3002)
G	Grey (BS 00 A 05)
B	Black (RAL 9005)

AUL-95512R

Power Supply

Code	Descripiton
5	5.25A*
1	10.25A

Zone LED's

Code	Descripiton
2	48 Zone LED's
1	No Zone LED

*5.25A Power Supply suitable only for 4 slots standard enclosure AURA Control Panels.

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ADDRESSABLE FIRE ALARM CONTROL PANEL

Connectivity

The Media Gateway card plugs into one of the panel slots and provides connectivity to our servers using IP, GSM or Dial Up connectivity.

The Media Gateway card is also used to meet integration application requirements.

Aura Display

Aura utilises a full colour, 7" 800x480 touch screen graphical display to provide a clear, simple and intuitive user interface.

80 character zone location and 80 character device messages allow a clear, concise description of each detection device location to be configured.

Resistive touch screen technology permits control functions to be available, even when wearing protective gloves.

User Access

Access to the Aura menu and control functions is provided by a unique 6 digit pass code or by the optional enable control key switch.

Up to 64 individual login accounts can be configured, with different profiles and access permissions.

Powerful, Network wide Cause & Effects

Aura cause and effect capacity supports 5000 cause and effect entries, with up to 20000 inputs controlling 20000 outputs across the network.

The introduction of Groups in Aura allows rationalisation and simplification of the system configuration.

Support for up to 5000 groups and up to 50000 devices is provided.

Aura Display – Function Buttons

Up to 24 customer specific function buttons may be configured to provide control, disablement and engineering functions.

The functions buttons can be configured to be either available or hidden for each log in profile.

Zone Indicators

Up to 48 zone indicators plus panel printer are available.

Aura supports up to 2000 detection zones and zone indicators.

Power Supply Options

Aura is available with two power supply options, each available in 230V or 115V mains voltages.

• 5.25A (supports up to 60Ah batteries)

• 10.25A (supports up to 100Ah batteries)

Note: The standard enclosure houses 28Ah batteries and the deep enclosure houses 40Ah batteries.

Backlight Control

The built in light sensor allows the display backlight can be configured to follow the ambient light levels or automatically dim after a period of inactivity.

Event Log

A 9999 entry event log records all system activity to 1 second resolution. The log is held in secure memory and is retained when power is removed from Aura.

Powerful filtering allows the log to be sorted by event type, between dates, by zone, by panel and by address.

Using the configuration program, the event log can be downloaded and stored as a comma separated values (csv) format.

Printer Option

A 40 character front loading thermal printer prints all events as they occur.

The printer can also be used to print all/selected event log entries.

Expansion Options

Aura I/O cards can be fitted in spare slots within the panel.

The family includes

• 8 way conventional detection board
• 4 way sounder output board
• 8 way volt free relay contact board
• 16 channel programmable I/O board

ADDRESSABLE FIRE ALARM CONTROL PANEL

AURA VISION - AUL-91000R

COMPATIBLE EQUIPMENT & EXTRAS

Aura Network Card   Multi Purpose
Flushing Collar

OVERVIEW

Aura Vision provides a means of allowing fulldisplay and optional control of the Aura Fire Alarm Control Panel from a small and unobtrusive local control station.

Based on an all new hardware and software platform, the large, full colour graphical display with touch screen functionality delivers information on the status of the fire alarm system to single or multiple locations.

Aura Vision repeaters can be configured to offer full display and control to replicate the functionality of the fire Control Panel or to operate as a simple, display only device for applications where access to control the fire alarm system would be inappropriate.

For other annunciation and control applications, Aura Vision can be configured to provide customisable switches and indications for a host of fire system ancillary functions.

Aura Vision may be connected to the fire Control Panels' fault tolerant, ancillary RS485 bus or to the fire alarm panel fault tolerant network using standard, fire rated cable offering flexibility in system wiring.

Available in several standard formats, Aura Vision can be mounted directly onto a wall, be recessed using our quick-fix adaptor frame or fully flush mounted. Special enclosure finishes and colours are also available to match existing decor.

CONFIG. FEATURES

- Robust, full colour, 7" 800 x 480 touch screen graphical display.
- Full indication of all information displayed at the fire Control Panel.
- Automatic display brightness adjustment.
- Silenceable internal sounder.
- Connections Via:
    - Control Panel RS485 bus
    - Option to connect to Control Panel network
- Low current, 24 Vdc powered.
- Slim compact construction.
- Configurable functionality.
- Configurable languages.
- Optional Enable key-switch.

* For Field Devices Please Refer Page no: 34-59

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AURA - NETWORK SYSTEM SCHEMATIC

AUL-9072 16 Channel I/O Board

AUL-9091 8 Way Relay Board

AUL-9092 8 Way Conventional Zone Board

AUL-9093 4 Way Sounder Board

Plug in slots

24V DC

Aura Vision Configurable Fire Alarm Repeater

Cloud Servers

GSM IP Dial-Up

Media Gateway

IO Cards

RS485 bus

2 - 8 Loop Analogue Addressable Control Panel

2 - 8 Loop Analogue Addressable Control Panel

Aura Virtual Resource ⓘ

VR Access - Access data from all your systems
VR Vault - Secure document vault
VR Service - Complete service management utility with automated data transfer
VR Print - Eliminates need for panel mounted printers

High Integrity Configurable Network

Up to 128 Panels/ Repeaters can be added to the network. ⓘ

2 - 8 Loop Analogue Addressable Control Panel

Aura Vision Configurable Fire Alarm Repeater

24V DC

2 - 16 Loop Analogue Addressable Control Panel

Loop 1   Loop 2   Loop 3 - Loop 16

Each loop is capable of hosting up to: 126 devices ⓘ

Loop 3 - Loop 8

Loop 2

Loop 1

Each loop is capable of hosting up to: 126 devices ⓘ

I/O

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