Ampac

Fire detection and evacuation solutions that save lives.

EvacU[Elite] Emergency Warning & Intercom System

- ✓ LPCB approval to AS 4428.16, AS 4428.4 and AS 7240.4.
- ✓ NZ approved. Registry Ref AC/110 & AC111
- ✓ Easy to navigate touch screen user interface.
- ✓ Fully scalable system architecture.
- ✓ Software supports up to 512 Emergency Zones and 1024 WIPs.
- ✓ Networkable up to 64 nodes using fibre optic, Cat5/6 or two core copper network cable.
- ✓ Background Music Inputs.
- ✓ Dual 25 Watt 50 Watt, and 150 Watt Amplifier Options.
- ✓ Configuration Tool (PC App) with integrated sequence simulator.
- ✓ A unique 6350-XXX (Aus) or 6355-XXX (NZ) item number is created for each panel build.

EvacU[Elite] 24U & 13U Cabinets

Product Overview

The EvacU[Elite] is Ampac's new generation Emergency Warning Control and Indicating Equipment (EWCIE) with a fully integrated Emergency Intercom System (EICIE)

The system is designed to receive input signals from a fire detection system then broadcast and facilitate the orderly evacuation of a building in the event of a fire or emergency situation.

The EvacU[Elite] supports a high level interface to an Ampac FireFinder[PLUS] in a combination or individual cabinets. Low level interface is available for third party fire detection systems via hardwired inputs.

Each cabinet size supports a number of universal rack frame assemblies, touch screen graphical user interfaces, power supplies and module cards.

The primary (GUI) graphical touchscreen user interface incorporates the menu system, common and individual controls and indicators for emergency zones.

Secondary graphical user interfaces support additional individual controls and indicators for emergency zones as required.

Universal Rack Frames accommodate the following module cards:

- Distribution CPU Card / Network Interface card.
- 8 Way Output Cards for Strobes & VADs - with a 2 wire reverse polarity connection option available
- 8 Input Multi-Purpose Interface Card with HLI
- Dual 25 Watt Amplifier.
- Single Output 50 Watt Amplifier
- 150 Watt Amplifier with built in 4 Way Splitter.
- 4 Way Radial Warden Handset Interface (ILC)
- Dual Loop Warden Handset Interface LILC supports 20 Handsets per loop.
  40 WIPs in total.
- Public Address Interface Card

  Bosch Praesensa HLI

Ampac

Fire detection and evacuation solutions that save lives.

EvacU[Elite] Emergency Warning & Intercom System

Networking Capability

The EvacU[Elite] can be networked, and supports up to 64 nodes in a fault tolerant loop network. This allows monitoring and control to be taken from multiple locations on site, ultimately dictated by a programmable hierarchy system design.

Networking communication mediums include multimode and single mode fibre optic cable, CAT 5/6 cable and two core copper. The highest network bandwidth is achieved when a fibre optic connection option is used.

Emergency Intercom System (EIS) EICIE

The Emergency Intercom System supports two interfaces to the Warden Handsets.

The first is the traditional radial or point to point connection. This allows a single pair cable to be routed to each handset. Each handset is also fitted with a remote buzzer output, required when the handset is mounted inside a security enclosure.

The second interface is a fault tolerant design that allows the Warden Handsets to be wired in a loop configuration saving on install time and cabling costs. The innovative two wire design allows further savings compared to similar four wire market configurations.

Each handset is fitted with a short circuit isolator to ensure all handsets on the loop remain operational with a short circuit condition on the loop. If the loop circuit is compromised or broken the system will identify between which two WIP addresses the break exists

Each Warden Handset is fitted with a connection for an emergency alarm initiating device (EAID), the EIS zone programming and zone association is done through the configuration tool.

Audio

The EvacU[Elite] uses digital audio throughout—including the network. The tone generation of the alert and evacuation signals are handled within software, and pre-recorded messages are stored as audio files which can be distributed according to the programmed configuration.

Audio mapping software allows any audio source or file to be routed to any amplifier. This allows multiple alert and evac messages to be broadcast as part of a phased evacuation sequence.

Configuration Tool

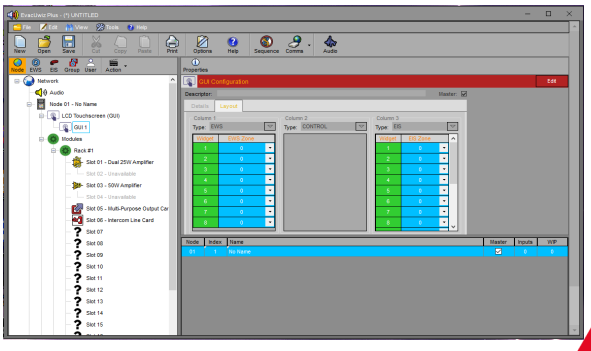
Programming the EvacU[Elite] is done by a highly flexible, easy to use configuration tool (PC App), which enables the system to be custom configured to the site requirements.

The configuration tool supports USB connection to the panel to allow upload application files and configuration files and download configuration files and log files.

*This is complemented by a network send function to ensure the ease of single point programming.

A specialized sequence builder and simulator is built into the configuration tool. The sequence builder enables the sequences to be configured as per requirements and includes a sequence simulator, allowing the sequences to be tested prior to site implementation and commissioning.

The EvacU[Elite] supports complete user programming flexibility to ensure the seamless functionality and integration of ever changing consultant and site engineering requirements.



Ampac

Fire detection and evacuation solutions that save lives.

EvacU^{Elite} Emergency Warning & Intercom System

Specifications

Cabinet Options	13U Wall Mount & 24U Floor Standing
Dimensions (mm)	13U - H 900 x W 650 x D 380 24U - H 1800 x W 650 x D 380
External Operating Voltage (240 V AC)	204 - 264 V AC
Max No. of Emergency Zones	512
Max No. of Warden Handsets	1024
Max No. of Nodes	64
Amplifiers Sizes	Dual 25 Watt, 50 Watt & 150 Watt (4 Way Splitter)
Output to Warning Devices (Visual)	2 Wire Single End O/Ps 8 x 750mA
Contacts Rated at 2 Amps	OR Reverse Polarity Option
Max Current Draw 6 Amps	4 O/Ps x 1.5 Amps Each
Graphical User Interfaces	13U - 4 24U - 8
Universal Rack Frames	13U - 2 24U - 5
Temperature	-5°C to +50°C
Humidity	0% to 95% (Non-Condensing)
Networking Specifications (Node to Node)	2 core 1.5mm^2 twisted Cat 5/6e (up to 100M) Single Mode Fibre Multimode Fibre
Power Supply	13U - Max 2.4 kW 24U - Max 3.6 kW
Max Battery Size (Pair)	13U - 100 Ah 24U - 190 Ah
Mains Current (Max)	13U - 13 Amps fitted with a 25 Amp Breaker 24U - 19.5 Amps fitted with a 25 Amp Breaker

Graphical User Interface

Description	9 inch TFT LCD 800 x 480 with LED backlight and resistive touch screen
Microphone	600 Ω with capsule monitoring
Emergency Intercom Handset	Electret capsule with 150 Ω speaker
USB Support	Host (USB stick) and Device (mini USB) connection
SD Card Support	Yes
HLI (to FDCIE)	1 x RJ45 connector with RS485 signal levels using '6350-MIC'
Ethernet Support	2 x RJ45, with proprietary power and transformer isolation
Inputs	2 x monitored and 2 x unmonitored
Current Consumption	0.185 Amps (Quiescent) 0.207 Amps (Active)

Universal Rack Frame

No. of Slots	16 + Dedicated Slot for the CPU
Max No. of Dual 25 Watt Amplifier Cards	8
Max No. of 50 Watt Amplifier Cards	8
Max No. of 150 Watt Amplifier Cards	8
Max No. of EIS Line Cards (Radial or Loop)	16
Max No. of Multi-Purpose Interface Cards	16
Max No. of Multi-Purpose Output Cards	6
Max No of PAIC	1
Max Current Per Rack	48 Amps
Max Rack Frames 13U	2 Rack Frames
Max Rack Frames 24U	5 Rack Frames