

AN EXTRA LOW VOLTAGE EXIT & EMERGENCY LIGHTING SYSTEM

Firescape is a revolutionary emergency lighting system, made using fully recycled materials and able to save up to 80% in power costs through its patented energy efficient design. The system fully complies with and is certified to, AS/NZS 2293 Parts 1 and 3.

Key Benefits of FIREscape®

1 Environmentally friendly in energy costs and CO2 emissions

The Firescape emergency light system uses fully recyclable materials that do not place an unnecessary burden on the environment. Due to their unique extra low-voltage solution, cabling costs are reduced by 60% during installation when compared to old central battery based systems. Firescape also runs off 35 V dc instead of 230 Ac volts like traditional emergency lighting systems, saving significant money in power consumption.

2 A cost-efficient system can implement and maintain

A Firescape exit sign luminaire consumes less than 0.5W, including the power loss. When compared to 230V LED lights, Firescape products save more than 60% of energy. The lower energy consumption directly correlates with lower CO2 emissions.

3 Emergency luminaires and Exit signs share the same circuit

Due to Firescape programmability, exit and route lights can be freely installed anywhere on the line without having to group them into either exit or route lights.

4 Reduced cabling costs

Due to their self-contained backup power source, the Firescape lighting devices can use screened, non-fire rated cabling, instead of heavy and costly fire resistant cabling, reducing the installation costs associated with traditional emergency lighting systems.

5 Operational reliability; luminaires feature integral stand-by batteries

A fire-rated cable is not required because all Firescape luminaires are equipped with integral stand-by batteries allowing the luminaires to function in fail-safe mode even in situations where the control panel becomes damaged or inoperable or the line cable is severed. The luminaire batteries allow continual operation in excess of 3 hrs.

6 Automatic luminaire battery and LED health testing features

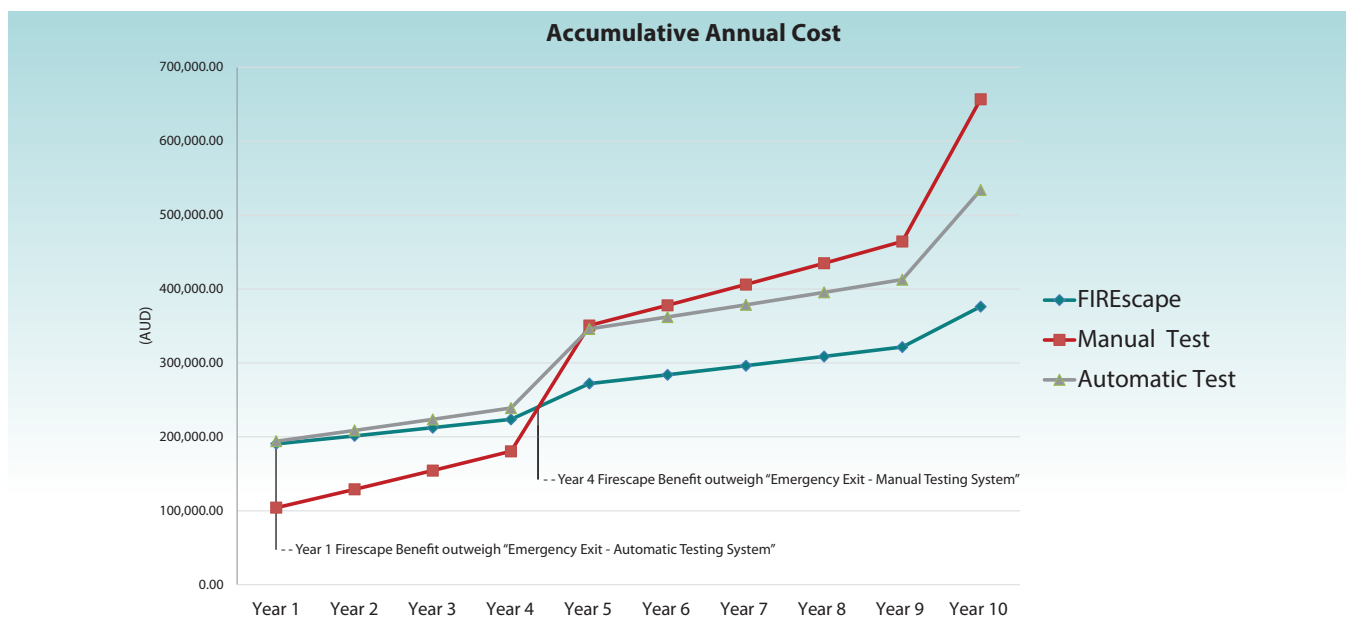
The EL-2 control panel constantly monitors the condition of the luminaire batteries and LEDs and can be programmed to perform the periodical testing and reporting required under AS2293.2

7 Easy display control centre

Fault information from the Firescape emergency lighting system can be displayed using the optional EL-GRAPH graphic software which can show actual building floor-plans with activated areas and individual unit faults. The software can allow the FIREscape® emergency lighting system to be monitored from a control room/centre based locally onsite or remotely via IP.

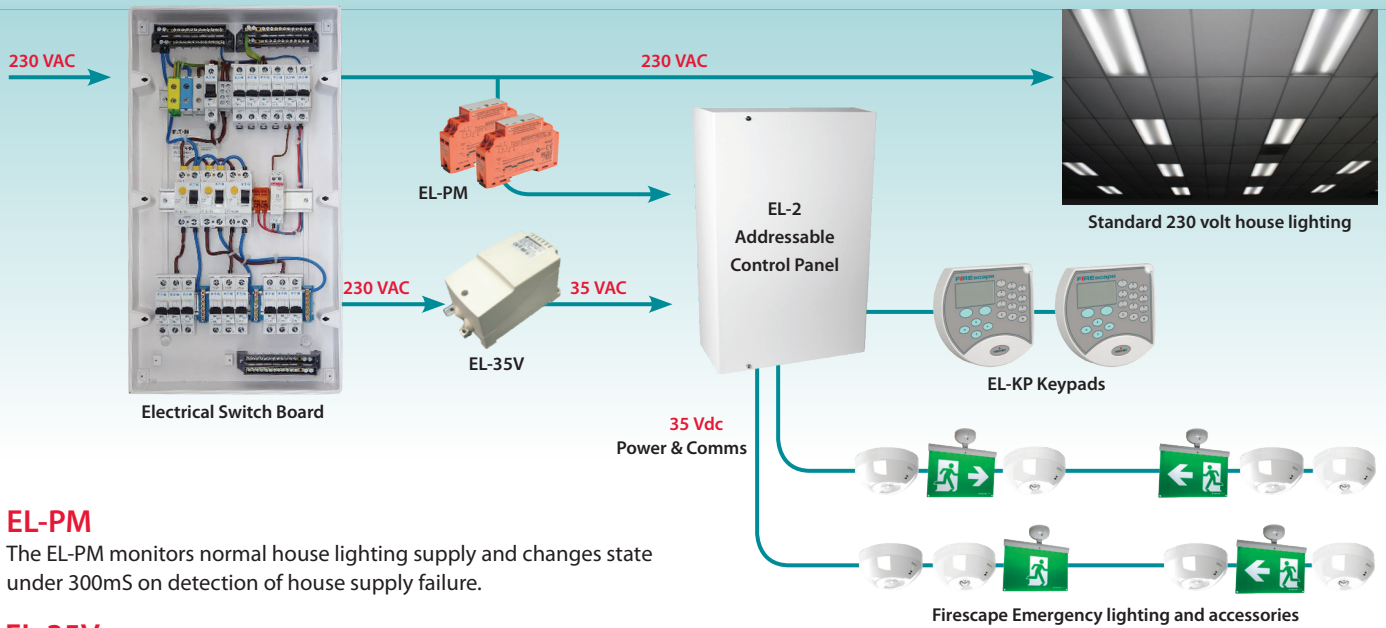
8 Remote Monitoring

Remote monitoring of the EL-2 emergency lighting system control panel is possible utilising the GSM alarm transfer unit. Fault data is easily transmitted to end user or service company GSM numbers. Each GSM number can be stored in an 'alarm ring' so that each responsible person can be contacted in turn if any others are unavailable.



The above "cost of ownership product comparison" line graph is based on 1000 luminaires (80% Emergency Escape & 20% Emergency Exits) over a 10 year period. It incorporates the following variables in relation to an emergency lighting system - Power Consumption / Carbon Foot print - Labour Cost for AS2293.2 Testing requirements - Capital cost for Battery / Luminaire failure - Labour Cost for Battery / Luminaire replacement

FIRESCAPE EXIT & EMERGENCY LIGHTING SYSTEM



EL-PM

The EL-PM monitors normal house lighting supply and changes state under 300mS on detection of house supply failure.

EL-35V

The EL-35V transformer converts 230 Ac volts to 35 V dc.

EL-2 ADDRESSABLE CONTROL PANEL

The EL-2 emergency light control panel features two lines, each line can accommodate 127 exit signs, route lights or I/O units. The EL-2 supplies the operational voltage to the light units during normal conditions, whilst also completing the continuous testing and monitoring of the equipment on the system. All monitored event information is saved in the memory of the control panel, and this can be accessed through the connected EL-KP keypad.

EL-KP KeyPad

EL-KP Keypads show system status of the lighting units including battery charge and LED faults.

KEY POINTS

Save energy costs through:

- Each light not needing a transformer.
- Minimum 60% more energy efficient than standard exit & emergency lighting systems.
- Extra Low Voltage System.

The only EXIT Emergency Lighting System with compliant AS2293 - Parts 1 & 3

