

Powering Redtronic's New Demonstration Vehicle's Lighting System

Clayton All-In-One power system has proven to be the ultimate power solution for Redtronic's demonstration vehicle's lighting system.

A trusted supplier of visual and audio warning signals to the recovery and emergency services sector for over 40 years, Redtronic is a leading name in the industry, renowned for its innovative, custom-built lighting systems. They required a reliable and efficient power source for their demonstration vehicle to be used particularly for operating lighting systems during indoor exhibitions and events in the commercial and recovery sectors.

The purpose of the vehicle is not just to showcase how Redtronic lighting products can be installed on a vehicle, but also how they can be programmed and integrated into fleet operations.

The Clayton LPS II unit, supplied and installed by Fischer Panda UK | Power Solutions, perfectly fits the brief in providing efficient, reliable, and silent power for various applications, making it ideal for powering Redtronic's lighting system.



Redtronic's lighting products are typically powered via a running engine, therefore a non-engine-based solution was essential to perform in the indoor spaces of exhibitions. The Clayton Power unit provides the perfect answer — charging from the engine while in transit and then powering the system independently while stationary at events. Additionally, the setup needed to be easy to install and maintain, ensuring minimal downtime during events.

Fischer Panda UK | Power Solutions' team worked closely with Redtronic to ensure the Clayton unit was seamlessly integrated into the demonstration vehicle. The installation and testing process took just two days, showcasing the unit's simple install process and efficiency. Once installed, the system was tested to ensure optimal performance in powering the lighting system, providing Redtronic with the peace of mind that their demo vehicle would be ready for events and shows without any issues.

Due to its compact design the Clayton unit offers flexibility regarding the location of its installation, based on the vehicle's specifications and layout. The demonstration vehicle's system is conveniently positioned near the side door, the unit can also be easily showcased during demonstrations, allowing to explain the functionality and benefits of a mobile auxiliary power system. Its compact design means it can be quickly disconnected and transported to a 240V power source if needed, providing an added layer of flexibility.

"Compared to our previous setup, which required multiple car-style batteries and chargers, the Clayton unit represents a major step forward in practicality and efficiency."

Martyn Hand, Redtronic



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Redtronic's Demonstration Vehicle's Power Requirements

Most advanced lighting solutions, offering full 360° visibility, integrated scene lighting, and intuitive control.

Evolve Pro Lightbar
2x Infinity US6 Directional Lights
Infinity SP2 Stealth Plate
2x Night Angel Scene Light Curve
1x Night Angel Scene Light (Rear)
2x Infinity STX Quad-Colour Directionals with Downlight
Linx6 Controller

Total Current Draw (All Products Active):
Approx. 11.5A @ 12V

Vehicles operating in the demanding recovery and emergency sectors require equipment and lighting systems that deliver reliable performance without compromising operational efficiency. By integrating the Fischer Panda UK | Power Solutions' Clayton unit into their demonstration vehicle, Redtronic can confidently showcase the real-world capabilities of their lighting systems. This collaboration highlights how innovative power solutions, like the Clayton unit, can complement and support the development of cutting-edge visual and audio technologies in the emergency services industry.

When not in use for events, the van will also serve internally for light goods transportation, so the removable, space-efficient design of the Clayton system makes it ideal for both display and day-to-day utility. The compact yet powerful nature of the Clayton Power unit makes it a perfect companion for vehicles requiring an independent power supply for lighting and auxiliary equipment.



Key Features of the Clayton LPS II:

Power Efficiency
Reduced Install Time
Compact Design
Enhanced Battery System



"We are very grateful for suppliers and installers such as Fischer Panda UK | Power Solutions. Their experienced team of engineers has a vast knowledge of power systems, particularly in the blue light services, and worked with us in finding the optimal power solution for our demonstration vehicle."

Martyn Hand, Redtronic

Providing complete system solutions for the marine, vehicle and defence sectors.
Fischer Panda generators and propulsion | Mastervolt power electronics | CZone digital switching | Clayton Power all-in-one-power system | EFOY fuel cell system | Integrel engine power | Parker and Wananchi watermakers | Autoclima, Eberspächer and Dometic climate control