NEXT GENERATION EMS WIRELESS DUAL INPUT / OUTPUT UNIT

Overview



The new FireCell Wireless Dual I/O Unit marks the next stage in the evolution of EMS wireless technology and is the first release in a new programme of product updates. Developed in response to installer and service engineer feedback, it enhances capability and usability while retaining the renowned EMS robustness and reliability.

Designed to deliver true "fit and forget" performance, the unit is engineered to make installation, commissioning and long-term support quicker, easier and more cost-effective, without compromising durability - now also available at a new low price.

FireCell evolution

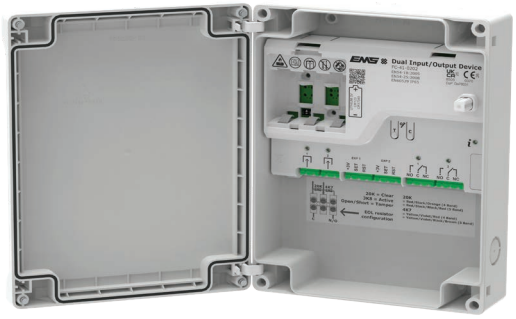
As the first release in a new generation of FireCell wireless technology, the Wireless Dual I / O Unit establishes the foundation for a clearly defined product roadmap. This roadmap will deliver a series of progressive enhancements focused on expanding functionality, improving usability, and extending system longevity, while remaining true to EMS's core design principles of reliability, simplicity, and robustness. This launch marks a key milestone for FireCell and reinforces EMS's long-term commitment to providing scalable, latest wireless technology, future-ready, and dependable wireless fire solutions.

Updates at a glance

- 10 year CR123A battery life
- Latest wireless technology
- Backward & next-gen compatible
- Modern ergonomic design
- Installer focused updates
- Local test facility
- Enhanced tamper security
- Fully protected PCB
- Clip-in / clip-out PCB connection
- Anti shock protection
- Reversable hinged covers
- Guided M20 knockouts
- Tool-free battery removal
- QR code for fast media access
- Same EMS robustness

MK446-99 (Issue 1) June 2026, AJM

Enhancements explained



Utilising advanced CR123A lithium battery technology, the unit delivers a battery life of up to 10 years. A new integrated battery compartment enables tool-free replacement, reducing maintenance time, site disruption and overall cost of ownership.

New anti-shock protection provides resilient relay supervision against shock and vibration in challenging environments.

Enhanced diagnostics, including a local test feature, allow connected devices to be tested directly at the unit, eliminating the need to alter wiring or return to the panel. This enables faster commissioning, simpler fault finding and more efficient ongoing maintenance.

Installer efficiency has driven the mechanical redesign. Improved access to mounting fixings allows quicker, safer installation. The unit incorporates a fully protected PCB for increased durability, alongside enhanced tamper security. A clip-in, clip-out PCB and hinged cover configurable for left- or right-hand access provide flexible, straightforward access for installation and servicing, even in confined spaces.

Installation is further simplified with integrated M20 knockouts and drill guides. The refined enclosure delivers a cleaner, more modern appearance without compromising the robust build quality EMS is known for. Optimised internal architecture supports the latest wireless technology, improving performance, resilience and future scalability.

Fully compatible with existing EMS wireless systems, including the auxiliary relay module for mains switching, the unit is designed with future expansion in mind. Its support for next generation platforms enables straightforward upgrades, helping to safeguard long term investment.

Same EMS benefits

Trusted wireless technology

Free underwritten wireless surveys

Best-in-class UK support

5-year EMS warranty

Fit & forget

Ordering information

Part number	Description
FC-41-0202	Dual Input/Output Device
FC-620-001	Auxiliary Relay Module
EMS-837-000	CR123A battery

Contact us today for more information

www.emsgroup.co.uk/contact