FIECEI Scalable wireless fire solutions

Product Showcase



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FireCell overview

EMS has a number of wireless / hybrid solutions available that can be utilised to meet almost any application. All are fully EN54-25 third party approved products meeting all current standards and carry the CE Mark confirming compliance with all applicable EU directives.

EMS wireless solutions are based on 868 MHz wireless technology. This catalogue provides specific details with relevant information and data.

Based on EMS technology, FireCell is fully scalable from standalone smaller single loop systems through to multi building networks.



FireCell uses a Hub and Cluster infrastructure and can be either a 100% wireless system or a combination of wired and wireless loops depending on the application. Using a fire resistant cable, the Wireless Hub connects to the loop input/output of the CIE. Each Hub supports up to four wireless loops.

Using this option a system can be configured with both wired and wireless loops and a four loop CIE could, for example, have a single wireless loop with three hard wired loops.



A FireCell system can be one or two loop using Syncro AS panels, one to four loops using 2X series panels, or two to eight loops using Taktis[®] panels. Each loop supports up to 126 devices per loop. These can be wired or wireless devices depending on the configuration. Each loop must be dedicated as wired or wireless, although RLMs (Radio Loop Modules) can be added to the wired loop for localised wireless devices.

Larger systems, with up to sixteen panels, can be wirelessly networked using the EMS RNC (Radio Network Communicator).

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The Fusion RLM (Radio Loop Module) supports any combination of wireless devices up to a total of 31 loop addresses. The RLM itself will take up one additional loop address.

Each Fusion RLM is wired on to and powered directly from the loop.

All wireless devices,

including sounders, have their own power supplies (batteries) and do not need to be included in the loop loading calculations.

Each hard wired loop can support a maximum of five RLMs.

Fusion



2X-A Control Panel Overview

The new 2X-A series life safety control systems bring the speed and functionality of high-end intelligent processing to small to mid-sized addressable applications.

Based on 2X series learned experience and with complete backwards compatibility, the new 2X-A features an attractive contemporary design that fits with any decor. With improved robustness, manufactured in metal, special plastics and easy electronics



removal, allowing painting in any colour. The main controls are easily located using an improved and robust jog dial.

With loop addressable detection, a full line of easily configured optional cards and modules, as well as USB and Ethernet® connectivity, these quick-to configure systems offer versatility that benefits building owners and life safety system installers alike.

Each 2X-A panel is supplied with 2 Loops that support up to 256 devices across 512 zones. Also included are 4 supervised sounder/fire-routing outputs, which can be used as freely programmable outputs as well. In addition 2 conventional relay outputs and 2 supervised outputs are also included, working together and dedicated to common fire and fault conditions, as well as 2 user configurable inputs for monitoring and control are available.

2X-A panels are fully scalable to suit systems of all sizes.

Expandable 2X-A panels can also be upgraded from 2 to 4 loops as required.

A network card can also be added to accommodate a maximum of 64 nodes / 256 loops network of fire panels and fire panel repeaters. Last but not least, in case separate zone indication is required, a 20 or 40 zone fire/fault LED indicator board can be mounted in the panel or repeater with ample space for custom text.

The 2X-A fire control panel range is third party EN certified and compatible with the EMS FireCell system and EMS Fusion RLM.



2X-A SERIES Control Panels & Accessories

FC-2X-AF2-FB-W-99

FireCell



2X-A 2 LOOP PANEL EXPANDABLE

2 loops - expand to 4 using a FC-2X-A-LB-W loop card. Fits up to 18 Ah batteries. **Requires 2 x batteries - select from page 32.**

FC-2X-AF2-FB-P-W-99

FireCell



2X-A 2 LOOP PANEL EXPANDABLE 6A PSU

2 loops - expand to 4 using a FC-2X-A-LB-W loop card. Fits up to 12 Ah batteries (internally). Charges up to 65 Ah, using external battery box. **Requires 2 x batteries - select from pages 32 & 33**.

FC-2X-AFR-FB-S-99

FireCell

FireCell



2X-A ADDRESSABLE FIRE PANEL REPEATER WITH FIRE BRIGADE CONTROLS (SMALL CABINET)

Includes network card. Requires 2 x 12 V, 7 Ah batteries (FC-012-007).

FC-2X-AT-FR-FB-S-99



2X-A ADDRESSABLE FIRE PANEL REPEATER WITH TOUCHSCREEN (SMALL CABINET)

Includes network card. Requires 2 x 12 V, 7 Ah batteries (FC-012-007).



FC-2X-A-LB-W

FC-2010-2-NB

FireCell

FireCell



2X-A NETWORK PRINTED CIRCUIT BOARD

2X-A LOOP EXPANSION BOARD - 2 LOOP

For use with expandable 2X Fire Panels.

One required per control panel.

FC-2010-2-PAK-NET128

FireCell



2X-A NETWORK PAK 32

Increases the network capability to 32 nodes and 128 loops. 1 required per panel. Not required for repeater panels.

FC-2010-2-PAK-NET256

FireCell



2X-A NETWORK PAK 64

Increases the network capability to 64 nodes and 256 loops. 1 required per panel.

Not required for repeater panels.



FC-2010-2A-ZI-20

FireCell



2X-A 20 ZONE LED (LARGE)

20 Zone LED for large cabinet panel.

FC-2010-2A-ZI-40

FireCell



2X-A 40 ZONE LED (LARGE)

40 Zone LED for large cabinet panel.

FC-BATT-BOX-65-BLACK

BATTERY BOX BLACK - FOR UP TO 65AH BATTERY

For use with FC-2x-AF2-FB-P-W-99.



Taktis Control Panel Overview

The Taktis[®] range of fire detection control panels employ state of the art electronics and software to provide a feature rich, end-user friendly solution for all fire detection and alarm system applications. The unique user interface, based on a 7" colour touch screen display, has been optimised to produce a system that is both powerful and easily understood when it is needed most; in an emergency situation.

The carefully designed software presents concise information on the large display and guides users with clear and unambiguous instructions enabling the system to be controlled in a clear and intuitive manner.



While presenting a simple to understand interface for the fire alarm user, Taktis control panels have a powerful and sophisticated engineering menu structure which caters for most complex configurations and allowing system diagnostic engineering functions to be performed.

Each 2 loop module slot can be fitted with a variety of option boards to provide alternative functionality. Modules can be "hot swapped" to minimise system degradation during fitting and all inputs and outputs can contribute to the Taktis, industry-leading cause and effect capability.

By taking advantage of the unique user interface it is possible to further customise the control panel so it can meet specific alternative requirements such as local regional variances, alternative additional functionality or corporate livery. Although this level of customisation is not generally a user feature, the architecture of the Taktis control system makes customisation almost limitless.

Taktis is fully scalable to suit systems of all sizes, with both wired or wireless panel networking.

Taktis fire control panels can also be upgraded from 2 to 8 loops, to accommodate 126 FireCell wireless devices or hardwired devices per loop.

Loop cards with different sensor protocols are also supported enabling maximum system flexibility.

The Taktis fire control panel range is third party EN certified and compatible with the EMS FireCell system and EMS Fusion RLM.



Taktis Control Panels & Accessories

FC-TAA-EE2-1110-A1

FireCell



TAKTIS CIE 2 LOOP 48ZONE 5.25A PSU

Surface mounted with enable key.

Accommodates up to 8 loops, using FC-K758 2 loop cards.

Standard enclosure - fits up to 26 Ah batteries.

Requires 2 x batteries - select from pages 31 and 32.

FC-TAA-EE2-1210-A1

FireCell



TAKTIS CIE 2 LOOP 96ZONE 5.25A PSU

Surface mounted with enable key.

Accommodates up to 8 loops, using FC-K758 2 loop cards.

Standard enclosure - fits up to 26 Ah batteries. Requires 2 x batteries - select from pages 31 and 32.

FC-TAD-EE0-0010-00

FireCell

TAKTIS VISION NETWORK REPEATER PANEL S/MOUNT

Surface mounted with enable key. Includes network card. Requires 24 VDC power.

FC-TAD-EF0-0010-00



TAKTIS VISION NETWORK REPEATER PANEL F/MOUNT

Flush mounted with enable key. Includes network card. Requires 24 VDC power.

FireCell



FC-K758



TAKTIS 2 LOOP CARD

For use with Taktis Analogue Addressable Fire Panels.

FC-K2008

FireCell



One required per control panel.

TAKTIS NETWORK MODULE

FC-TAK-438-001

FireCell

FireCell

RADIO NETWORK COMMUNICATOR FOR TAKTIS

For use with FC-K2008. One required per Taktis control panel.



Syncro AS Control Panel Overview

The FireCell Syncro AS is a versatile range of open protocol Fire Control Panels. With proven and mature software at its heart, the Syncro AS range benefits from many years of development and refinement to provide a fire alarm control panel range of outstanding robustness, versatility and flexibility.

Available with one or two detection loops, Syncro AS Fire Control Panels are capable of hosting up to 126 wireless devices per loop. With a potential mix of 252 wireless



perfect wireless and hybrid fire system solution for all small to medium installations.

Further expansion can be achieved using wireless or hardwired networking to form larger systems, providing a future proof solution for any installation.

Both models are third party EN certified and compatible with the EMS FireCell system and EMS Fusion Radio Loop Module (RLM).

The Syncro AS range supports a selection of serial bus peripherals such as View repeaters, 16 channel I/O boards, Relay boards, Sounder boards and Conventional Zone boards to provide an additional 512, fully programmable points. 16 zonal LED indicators are provided as standard and the panel will support up to 500 network wide software zones.

The long established Loop Explorer configuration utility can be used to configure the Syncro AS range. With the all new Loop Explorer 2 offering a simpler and more intuitive programming configuration tool capable of realising the largest and most complex fire alarm systems with ease.

The elegant and simple construction of the Syncro AS panel range with full mechanical protection of all internal electronics, ensures ease of installation and protection of the vital parts during installation. Housed in installer-friendly enclosures, Syncro AS fire panels combine compact and practical styling with powerful programming and connectivity to accommodate larger systems.



Syncro AS Control Panels

FC-LA80161M2

FireCell



SYNCRO AS LITE PANEL 1 LOOP 16ZONE+ENABLE KEY-NON NETWORK

Surface mounted with enable key. Not expandable. **Requires 2 x 12 V, 9 Ah batteries (FC-012-009).**

FC-A80161M2

FireCell



SYNCRO AS PANEL 1 LOOP 16ZONE+ENABLE KEY

Surface mounted with enable key. Optional expansion cards available. **Requires 2 x 12 V, 9 Ah batteries (FC-012-009).**

FC-A80162M2

FireCell



SYNCRO AS PANEL 2 LOOP 16ZONE+ENABLE KEY

Surface mounted with enable key. Optional expansion cards available. **Requires 2 x 12 V, 9 Ah batteries (FC-012-009).**



Syncro AS Control Panel Packages

FCX-700-440

FireCell



1 LOOP NON NETWORK PANEL & HUB

Surface mounted with enable key. Not expandable. **Requires 2 x 12 V, 9 Ah batteries (FC-012-009).**

FCX-700-441

FireCell



1 LOOP PANEL & HUB

Surface mounted with enable key. Optional expansion cards available. **Requires 2 x 12 V, 9 Ah batteries (FC-012-009).**

FCX-750-001

FireCell



FUSION LITE PACKAGE

Package includes:

1 x FC-LA80161M2, 1 x FCX-532-001 and 4 x wireless devices.

Devices to be advised at point of order.

Choose 4 devices from:

- FC-200-003
- FCX-175-001 (incl. FCX-170-001 wireless base)
- FCX-176-001 (incl. FCX-170-001 wireless base)
- FCX-177-001 (incl. FCX-170-001 wireless base)

See pages 21 & 28 for more device information.

Requires 2 x 12 V, 9 Ah batteries (FC-012-009).



Syncro AS Accessories / Power Supplies

FC-K555

FireCell



HARDWIRED NETWORK CARD FOR SYNCRO CONTROL PANELS

One required per control panel.

FCX-438-001

FC-K545

FireCell



RADIO NETWORK COMMUNICATOR

For use with FC-K555. One required per control panel.

FireCell



SYNCRO I/O 4 WAY CONVENTIONAL DETECTOR ZONE MODULE

For use with FC-K16250M2 I/O enclosure.

FC-K16250M2

FireCell



SYNCRO I/O ENCLOSURE C/W 2.5A PSU FITTED

Complete with 2.5 A PSU fitted. Accommodates 2 x backup batteries (max 9 Ah). Other variants available upon request. **Requires 2 x batteries - select from pages 31 and 32.**



FC-KD2525003



FC-KD2540015

FC-M2FCLGT

2.5A POWER SUPPLY WITH DUAL OUTPUT BOARD

500 (w) x 355 (h) x 117 (d) mm enclosure. Requires 24 VDC power. Maximum 2 x 12 Ah batteries. **Requires 2 x batteries - select from pages 31 and 32.**

FireCell



5.25A POWER SUPPLY WITH DUAL OUTPUT BOARD

500 (w) x 460 (h) x 190 (d) mm enclosure. Requires 24 VDC power. Maximum 2 x 26 Ah batteries. **Requires 2 x batteries - select from pages 31 and 32.**

FireCell



FLUSH MOUNTING COLLAR FOR SYNCRO AS PANEL

For use with Syncro AS 1 and 2 loop panels. RAL9001.



Wireless Infrastructure

FCX-500-444-V3

FireCell



W/LESS HUB - 4 LOOP W/ REMOTE AERIAL FACILITY - V3

Remote aerials not included. Includes latest V3 software. Loop powered.

FC-555-001-V3

FireCell



W/LESS 230VAC RCC - V3

Includes PSU. Includes latest V3 software. Requires 230 VAC power. **Requires 6 V, 4 Ah standby battery (FC-006-004)**.

FC-555-331-V3

FireCell



W/LESS 230VAC RCC W/ REMOTE AERIAL FACILITY - V3

Remote aerials not included. Includes PSU and latest V3 software. Requires 230 VAC power. **Requires 6 V, 4 Ah standby battery (FC-006-004)**.

FC-555-024-V3

FireCell



W/LESS 24VDC RCC - V3

Includes latest V3 software. Requires 24 VDC power.



FCX-532-001



FUSION RADIO LOOP MODULE

Loop powered.

Up to five per loop using FireCell panel, subject to cable specification.

FCX-750-003

FireCell



GATEWAY FCX KIT

Package includes:

1 × FCX-532-001 6 × FCX-177-001 4 × FCX-170-001 2 × FCX-191-000 1 × FCX-200-003

Control panel not included. For use with a suitable XP95 protocol control panel.

Aerials

FC-868-A03



VERTICALLY MOUNTED DIPOLE AERIAL C/W 3M COAX

Includes three metres of URM76 coaxial cable and mounting bracket. For internal use only. 410 mm aerial length.

FC-868-D03

FireCell



W/RESISTANT VERTICALLY MOUNTED DIPOLE AERIAL C/W 3M COAX

Includes three metres of RG58 cable and mounting bracket. Weather resistant.

380 mm aerial length.

FC-7329

7325



UHF DIPOLE UNITY GAIN EXTERNAL AERIAL C/W 5M RG58 CABLE

For use with Radio Network Communicators. Includes five metres of RG58 cable and mounting bracket.

655 mm aerial length.

FireCell

FireCell

POLE MOUNTING KIT

For use with FireCell aerials. Offers an alternative to wall mounting.



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RG213/10

10 METRES OF RG213 CABLE C/W BNC CONNECTOR

For use with the 7329 aerial. Replaces the aerial's existing cable. Includes BNC/TNC connector.

RG213/30

FireCell



30 METRES OF RG213 CABLE C/W BNC CONNECTOR

For use with the 7329 aerial. Replaces the aerial's existing cable. Includes BNC/TNC connector.



Wireless Detectors

FCX-174-001

FireCell



MULTISENSOR SMOKE DETECTOR ONLY

For use with FCX-170-001, FCX-191-000 and FCX-191-200 bases.

FCX-175-001

FireCell



CLASS A1R HEAT DETECTOR ONLY

For use with FCX-170-001, FCX-191-000 and FCX-191-200 bases.

FCX-176-001

FireCell



CLASS CS HEAT DETECTOR ONLY

For use with FCX-170-001, FCX-191-000 and FCX-191-200 bases.

FCX-177-001

FireCell



OPTICAL SMOKE DETECTOR ONLY

For use with FCX-170-001, FCX-191-000 and FCX-191-200 bases.



FCX-170-001

FireCell



W/LESS DETECTOR BASE ONLY

Includes 6 x AA batteries. Select Detectors from page 21.

FCX-191-000

FireCell



W/LESS SDR / DETECTOR BASE ONLY

Includes 3x AA & 3x C batteries. Select Detectors from page 21.

FCX-191-200

FireCell



W/LESS SDR / RED VISUAL INDICATOR & DETECTOR BASE ONLY

Includes 3x AA & 3x C batteries. Select Detectors from page 21.



FCX-170-101

FireCell



W/LESS DETECTOR BASE C/W REMOTE INDICATOR

Includes wireless base& wired remote indicator module. Includes 6 x AA batteries. Select Detectors from page 21.

FCX-178-001

FireCell



W/LESS REMOTE INDICATOR MODULE

Includes wireless base. Includes 6 x AA batteries.



Audio Visual Alarm Devices

FC-171-002

FireCell



W/LESS RED SDR BASE ONLY

For use with all audio/visual devices. Includes 3x AA and 3x C batteries.

FC-171-001

FireCell



W/LESS WHITE SDR BASE ONLY

For use with all audio/visual devices. Includes 3x AA and 3x C batteries.

FC-172-002

FireCell



RED SDR ONLY

For use with FC-171-001 and FC-171-002 bases.

FC-172-001

FireCell



WHITE SDR ONLY

For use with FC-171-001 and FC-171-002 bases.



FC-323-CA2



RED C/MOUNT BEACON ONLY

Category C-3-15. For ceiling mounting. For use with FC-171-001 and FC-171-002 bases.

FC-323-WA2

FireCell



RED W/MOUNT BEACON ONLY

Category W-3.1-11.3. For wall mounting. For use with FC-171-001 and FC-171-002 bases.

FC-315-CA2

FireCell



RED C/MOUNT SDR BEACON ONLY

Category C-3-15. For ceiling mounting. For use with FC-171-001 and FC-171-002 bases.

FC-315-WA2

FireCell



RED W/MOUNT SDR BEACON ONLY

Category W-3.1-11.3. For wall mounting. For use with FC-171-001 and FC-171-002 bases.



FC-323-CA1



WHITE C/MOUNT BEACON ONLY

Category C-3-15. For ceiling mounting. For use with FC-171-001 and FC-171-002 bases.

FC-323-WA1

FireCell



WHITE W/MOUNT BEACON ONLY

Category W-3.1-11.3. For wall mounting. For use with FC-171-001 and FC-171-002 bases.

FC-315-CA1

FireCell



W/LESS WHT C/MOUNT SDR BEACON ONLY

Category C-3-15. For ceiling mounting. For use with FC-171-001 and FC-171-002 bases.

FC-315-WA1

FireCell



W/LESS WHT W/MOUNT SDR BEACON ONLY

Category W-3.1-11.3. For wall mounting. For use with FC-171-001 and FC-171-002 bases.



FC-178-002

FireCell



RED VISUAL INDICATOR ONLY

For use with FC-171-001 and FC-171-002 bases. Other colours available upon request.

FC-173-002

FireCell



RED SDR VISUAL INDICATOR ONLY

For use with FC-171-001 and FC-171-002 bases. Other colours available upon request.



Manual Call Points

FC-200-002

FireCell



W/LESS RED MCP (KAC FRONT)

Includes wireless base. Includes protective cover. Includes 6 x AA batteries.

FC-200-003

FireCell



W/LESS RED MCP (APOLLO FRONT)

Includes wireless base. Includes protective cover. Includes 6 x AA batteries.



Wireless Door Controllers

FC-60-2000

FireCell



FC-60-2010

FireCell



WIRELESS DOOR CONTROL (WHITE)

WIRELESS DOOR CONTROL (BLACK)

Includes 2 x C batteries.

Includes 2 x C batteries.



I/O Units

FC-610-001



FC-620-001

FireCell

FireCell



AUXILIARY RELAY MODULE

Includes 6 x AA batteries.

Includes 2 x 230 VAC, 2 A switching relays. For use with FC-610-001.

W/LESS DUAL INPUT / OUTPUT UNIT

Survey Equipment

FC-868-SE2

FireCell



FIRECELL W/LESS SURVEY KIT

Includes surveyor unit, device and extension rods. Comes in convenient carry case. Training packages available upon request.





Batteries (for use with FireCell products)

FC-809-000

FireCell



AA 1.5V ALKALINE BATTERY

For use with FireCell wireless devices. Panasonic LR6AD Powerline or Varta 4006 Industrial supplied.

FC-810-000

FC-006-004

FireCell



C 1.5V ALKALINE BATTERY

For use with FireCell wireless devices. Panasonic LR14AD Powerline or Varta 4014 Industrial supplied.

FireCell



SEALED LEAD ACID BATTERY 6V 4AH (FOR RCC)

One per unit.

FC-012-007





FC-012-009

FC-012-012

FC-012-018

FC-012-026

SEALED LEAD ACID BATTERY 12V 26AH

32

SEALED LEAD ACID BATTERY 12V 9AH

SEALED LEAD ACID BATTERY 12V 12AH

SEALED LEAD ACID BATTERY 12V 18AH







FireCell

FireCell

FireCell

FC-012-038

FC-012-065

SEALED LEAD ACID BATTERY 12V 38AH

SEALED LEAD ACID BATTERY 12V 65AH









Spares

FC-S005

FireCell



KENTEC PANEL KEY SET

For use with FireCell Syncro, Syncro AS & Taktis panels. Includes 801, 901, FH001, KT3001 & CAT30 keys.

FC-60-1000

FireCell



UNIVERSAL PSU (FOR RCC)

Replacement 6 VDC PSU for FireCell RCC.



Ancillaries and Support

FC-FGCOVER

PROTECTIVE COVER FOR W/LESS MCP (KAC FRONT)

For use with FC-200-002. Replacement cover.

44251-189APO

PROTECTIVE COVER FOR W/LESS MCP (APOLLO FRONT)

For use with FC-200-003. Replacement cover.

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FC-000-HUB

FC-000-KEN

FIRECELL SYNCRO PANEL PROGRAMMING LEAD

FIRECELL HUB PROGRAMMING LEAD







FireCell





FC-179-002

FireCell



WEATHER RESISTANT KIT

For use with FC-171-001 and FC-171-002 wireless bases.

FC-000-PRG

FireCell

FireCell



FIRECELL SYSTEM PROGRAMMING

FireCell system text and configuration programming. Priced per RCC / RLM.

FC-RIT



FIRECELL W/LESS COMMS NETWORK TESTING & INSPECTION FULL DAY

Contact us for details on FirePoint 5000 testing & inspection.

FC-TRA-001

FireCell



FIRECELL TRAINING COURSE MODULE 1



FC-TRA-002



FIRECELL REFRESHER TRAINING COURSE



Carriage

COURIER-NEXTDAY

NEXT DAY

COURIER-BY-12.00

BY 10.30 NEXT DAY DELIVERY

BY 12.00 NEXT DAY DELIVERY

STANDARD NEXT DAY DELIVERY

COURIER-BY-10.30

COURIER-SATURDAY-BY-12.00

SATURDAY DELIVERY BY 12.00

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FireCell

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COURIER-SATURDAY-BY-10.30



SATURDAY DELIVERY BY 10.30





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