

## FIRE & SECURITY PRODUCTS





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## Welcome to Elite Security Products

For over 20 years ESP® has been developing & supplying security related products to the UK electrical industry.

As a leading safety and security product specialist, the company offers a comprehensive range of electronic security and fire detection solutions to meet the requirements of installers and contractors.

The range includes Smart Security, CCTV, Access Control, EVAC Disabled Refuge, a growing collection of Two Wire, Conventional & Addressable Fire Protection products, Ducer Emergency Lighting, Espire Domestic Fire products & Sangamo Time Switches & Heating Controls.



## Why ESP?

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### Central Location - England

Based in Worcestershire in the Midlands at our purpose built Head Office & Distribution Centre, we are ideally located to design, develop, manufacture & distribute our ever-expanding product range worldwide.

### Delivering New Products

Our product development team are constantly tracking market trends & approval standards & providing customised products according to unique specification. This ensures we continue to increase our product range to meet the ever-changing needs of our customers.

### A Scolmore® Group Company

ESP® has been part of the Scolmore® Group since 2011, & whilst the company operates independently, ESP® benefits from the expertise, knowledge & support of the Scolmore® Group and continues to create strong growth within its product categories.

Scolmore® has been a leading UK manufacturer of electrical accessories & lighting products since 1989 & has earned a reputation worldwide for high quality products, innovative solutions & exemplary customer service.

Key to the continued success of the group is the commitment to developing new products which incorporate the latest in technological advancements, & provide contractors & installers with cost-efficient, easy to install solutions that help them remain highly competitive.



## Gold EcoVadis Sustainability Rating

Scolmore® Group was thrilled to have been awarded the prestigious Gold Sustainability Medal from EcoVadis at the end of 2025 in recognition of its ongoing commitment to sustainability and environmental responsibility.

Scolmore® Group's overall sustainability score has increased significantly - from 66/100 in 2024, to 79/100 for 2025 - surpassing the threshold for Gold recognition under EcoVadis' rating methodology. This achievement now places the organisation among the top 5% of over 150,000 companies globally assessed by EcoVadis.

The EcoVadis' business sustainability ratings are based on international sustainability standards such as the Ten Principles of the UN Global Compact, the International Labour Organisation (ILO) conventions, the Global Reporting Initiative (GRI) standards and the ISO 26000 standard. The ratings provide an evidence-based analysis on performance and an actionable roadmap for continuous improvement.

Our EcoVadis recognition page:



"Achieving the EcoVadis Gold Medal is a major milestone for Scolmore® Group and a clear recognition of the progress we have made across our environmental, social and ethical practices. This award reflects the sustained commitment, collaboration and hard work of our teams throughout the Group, all focused on embedding responsible business practices while continuing to deliver high-quality products and services.

Being awarded Gold is not an endpoint, but an important marker on our ongoing sustainability journey. It reinforces our determination to continuously improve, set higher standards and make a positive impact across our operations and supply chain.

With this Gold Medal, Scolmore® Group further strengthens its position as a trusted and responsible partner for customers and suppliers who place sustainability at the heart of their decision-making. The enhanced rating provides clear, transparent evidence of our commitment to responsible business practices, supporting stakeholders in making informed and confident supply-chain choices."

- Manuela Rubino Courtney, Group Legal and Compliance Manager with Scolmore® Group.

## ISO14001 Certification for Scolmore Group Companies

ISO14001 is the internationally recognised standard for Environmental Management Systems (EMS), aiding organisations in enhancing environmental performance. Scolmore® Group's attainment of this certification reflects its dedication to integrating sustainability into its culture, strategy and day-to-day operation across the Scolmore® Group of companies.

Scolmore® Group's adherence to ISO14001 showcases its proactive approach to reducing environmental impact, meeting legal requirements, and fulfilling environmental goals. This framework addresses resource usage, waste management, environmental performance monitoring and involving stakeholders in environmental commitments.

ISO14001 offers a structured approach for businesses to address global challenges and environmental concerns. As well as signalling a commitment to compliance and ongoing environmental improvement, the adoption of this standard also serves to enhance an organisation's reputation, demonstrating a commitment to a sustainable future.



### ISO 9001 Accreditation

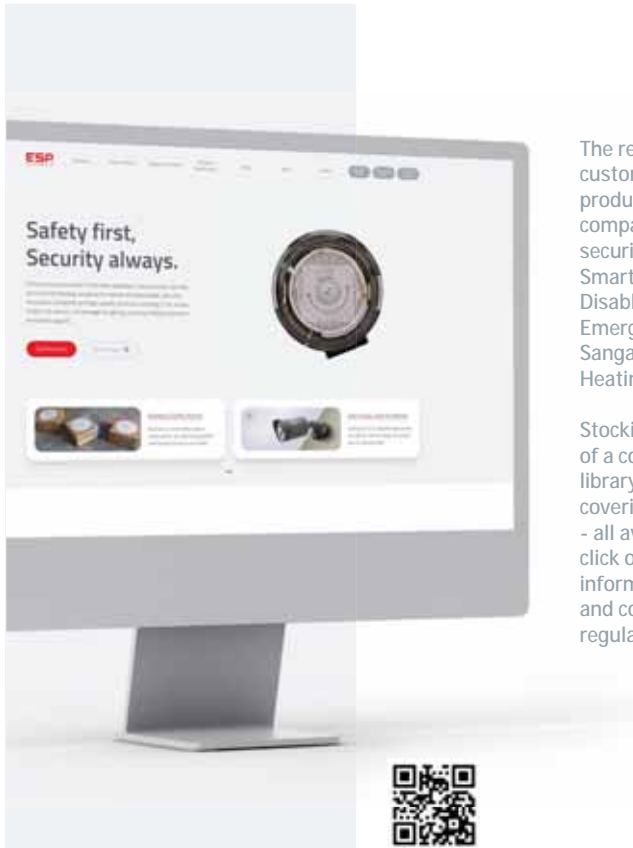
ISO 9001, awarded by certification body NQA, is a globally recognised standard for Quality Management Systems (QMS), with over 1.1 million certificates issued worldwide. It ensures a common-sense approach to the management of an organisation to consistently satisfy customers and other stakeholders.

"We will continue to maintain and improve our environmental management systems in order to continue meeting the rigorous ISO14001 criteria for years to come."

- Manuela Rubino Courtney,  
Group Legal and Compliance  
Manager with Scolmore® Group.

## ESP® Website

[espuk.com](http://espuk.com)

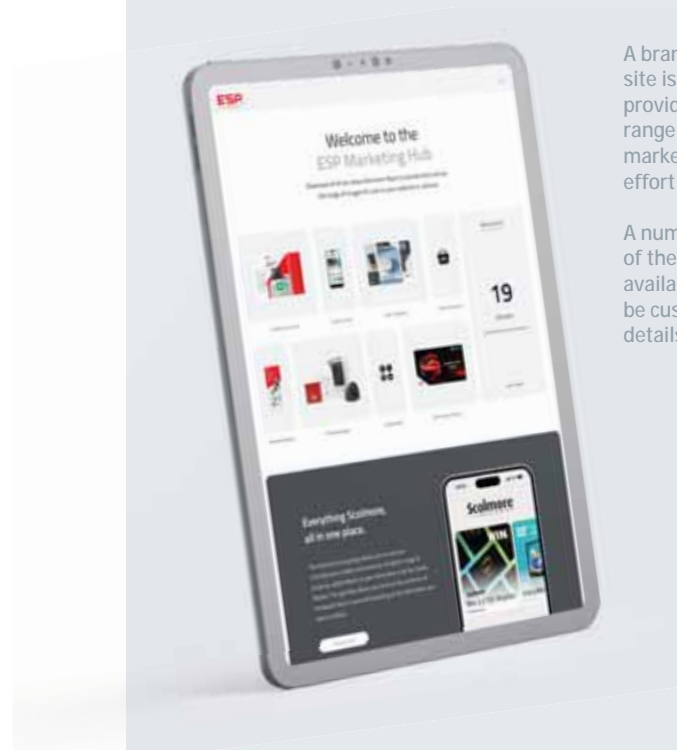


The refreshed new site provides customers with access to detailed product information for the company's extensive range of security products, which includes Smart Security, CCTV, Access Control, Disabled Refuge, Fire Protection, Emergency Lighting, Espire and Sangamo Time Switches and Heating Controls.

Stockists can also take advantage of a comprehensive product image library, plus a range of literature covering every product category - all available to download at the click of a button. Visitors can keep informed of the latest new products and company developments via regular updates on the news section.

## Marketing Hub

[espuk.com/marketing](http://espuk.com/marketing)



A brand new feature of the revamped site is the Marketing Hub area which provides ESP® stockists with a range of tools to enhance their own marketing facilities, with very little effort or cost.

A number of templates featuring some of the most popular products are available to download and these can be customised with the stockist's own details to optimise sales opportunities.

## Online Ordering

[espukonline.com](http://espukonline.com)

Our updated site incorporates a number of improved features that allow users to access new information directly and more easily:

- Our PDF upload feature eliminates the need for time consuming manual data entry, simply upload your purchase order PDF and we will extract the information for you so you can add the products straight to your basket within seconds.
- Ordering 24 hours a day 7 days a week with the ability to check current stock levels as required, meaning you are not restricted to ordering during normal office hours.
- Access to on-line catalogues will keep you fully updated with the complete product range and provide information on new products as and when they become available.
- The order tracking service keeps you up to date with the progress of your shipment.
- Managing administration paper work is now even easier with instant access to reports and essential documents at a click of a button.
- A 'quick buy tab' and the ability to store the most common orders for repeated use, adds to the versatility and flexibility of the revised system.



E-mail us at [sales@espuk.com](mailto:sales@espuk.com) or call our Sales Office on 01527 51 51 50 and one of our Sales Representatives will be happy to get you on-line.

## Scolmore® Group App

Use your smart phone to browse our complete range of products, add products to your 'Favourites' or to the 'Quote Basket' and even email the contents of the basket back to yourself!

With Click, Ovia®, ESP® & Unicrimp® products available you can use the search facility to easily locate the products required.

The Scolmore Group App also has a useful tool kit featuring:

Quick Quote Calculator, Zs Values, Cables Selection & Voltage Drop, Adiabatic Equation Calculator, Power Factor Calculator, KVA Converter, Lighting Cost Saving Calculator, Lighting No. Calculator and more...



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## Fire & CO safety experts

ESP develops and supplies security related products to the UK electrical industry. As a home alarm safety product specialist, the company offers a comprehensive range of electronic safety alarms.

24	<b>OPTICAL SMOKE ALARMS</b>
24	MAINS & 10 YEAR LITHIUM BATTERY
25	MAINS & 9V BATTERY
25	10 YEAR LITHIUM BATTERY
26	<b>HEAT ALARMS</b>
26	MAINS & 10 YEAR LITHIUM BATTERY
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33	10 YEAR LITHIUM BATTERY
34	<b>ACCESSORIES</b>

# Innovation at your fingertips.

Esquire® alarms are quick & easy to install, saving you time. Our outstanding product range is guaranteed to have precisely what you need for fire & carbon monoxide protection.

## RF-Link



### Optional ES1RF

To add additional life safety protection and installation flexibility, compatible Esquire® alarms can be installed with the RF-Link module. The RF-Link function enables alarms to wirelessly connect to create a system that will sound together if one alarm is activated, thus increasing protection.



### Stainless steel insect repellent mesh

Reduces false alarms by protecting the smoke chamber from insects & debris.

### Ultra responsive smoke chamber

Our intelligent system makes smoke detection quicker, keeping you safe & helping to save lives.

PATENT PENDING



## Auto dim LED status light.

With mains powered alarms, when the power LED is required to remain on, the LED will automatically dim during low light levels to reduce distraction and not disturb sleep.



### 10 year lithium battery

An end of life sequence is performed by the alarm after the 10th year of installation indicating that the alarm needs to be replaced. The alarm will produce a sequence of LED flashes & sounder chirps to indicate the sequence.



### Interconnectivity between alarms

To add additional life safety protection, the alarms with the interconnect function can be wired together to create a system that triggers all sounders if one alarm is activated.



### Easy to install

Lock-in base - a secure & fixed point of installation for the alarm head to slide onto. Once the alarm head is installed onto the lock-in base a lever engages to provide tamper protection.



# Our family of safety alarms are packed full of features.

## Consistent aesthetic

Espire® alarms have a similar appearance, keeping consistency throughout your job.



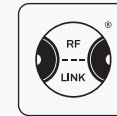
## A complete range

Espire® offers a comprehensive range of fire safety products, which enables you to complete the project no matter how big or small.

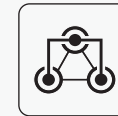
# Power Types Available

The following power types are available throughout the entire Espire® product range.

## Powered by mains with a sealed 10 year lithium battery



RF-Link (Optional)



Hard Wired Interconnection



Mains Powered

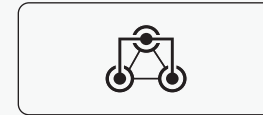


10 Year Sealed Battery



Auto-Dimming Power LED

## Powered by mains with a replaceable 9V battery



Hard Wired Interconnection



Mains Powered

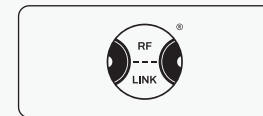


Replaceable 9V Battery



Auto-Dimming Power LED

## Powered by a sealed 10 year lithium battery



RF-Link (Optional)



Battery Powered



10 Year Sealed Battery

# Optical Smoke Alarms



Compact design with lock-in base

Auto sensor test alarm self-checks sensor

Memory function device has a 24 hour memory

Hush function silences alarm activation for 10 minutes



## Mains & 9V Battery

Optical Smoke Alarm



ES1SRV

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Optical Smoke
Supply Type	Mains AC with battery backup
Supply Voltage (V AC)	230
Battery Backup	Replaceable 9V Battery
Wired Interconnect Supported	Yes

- Certified to EN 14604:2005 + AC:2008
- Dust compensation
- Insect mesh
- Lock-in wiring base
- 24 hour memory function
- Clear LED indication status



## Mains & 10 Year Lithium Battery

Optical Smoke Alarm



ES1RF - RF-LINK MODULE

ES1SLV

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Optical Smoke
Supply Type	Mains AC with battery backup
Supply Voltage (V AC)	230
Battery Backup	Non-replaceable 10 Year Battery
Wired Interconnect Supported	Yes

- Certified to EN 14604:2005 + AC:2008
- Dust compensation
- Insect mesh
- Lock-in wiring base
- 24 hour memory function
- Clear LED indication status

## 10 Year Lithium Battery

Optical Smoke Alarm



ES1RF2 - RF-LINK MODULE

ES1SL

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Optical Smoke
Supply Type	Battery Powered
Battery Backup	Non-replaceable 10 Year Battery
Wired Interconnect Supported	No
RF-Link Supported	Yes; requires ES1RF2

- Certified to EN 14604:2005 + AC:2008
- Dust compensation
- Insect mesh
- Lock-in base
- 24 hour memory function
- Clear LED indication status



# Heat Alarms



**Compact design**  
with lock-in base

**Auto sensor test**  
alarm self-checks sensor

**Memory function**  
device has a 24 hour memory

**Hush function**  
silences alarm activation for 10 minutes



## Mains & 9V Battery

Heat Alarm



ES1HRV

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Heat
Supply Type	Mains AC with battery backup
Supply Voltage (V AC)	230
Battery Backup	Replaceable 9V Battery
Wired Interconnect Supported	Yes

- Certified to BS 5446-2:2003
- Lock-in wiring base
- 24 hour memory function
- Clear LED indication status



## Mains & 10 Year Lithium Battery

Heat Alarm



ES1RF - RF-LINK MODULE

ES1HLV

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Heat
Supply Type	Mains AC with battery backup
Supply Voltage (V AC)	230
Battery Backup	Non-replaceable 10 Year Battery
Wired Interconnect Supported	Yes

- Certified to BS 5446-2:2003
- Lock-in wiring base
- 24 hour memory function
- Clear LED indication status

## 10 Year Lithium Battery

Optical Heat Alarm



ES1RF2 - RF-LINK MODULE

ES1HL

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Heat
Supply Type	Battery Powered
Battery Backup	Non-replaceable 10 Year Battery
Wired Interconnect Supported	No
RF-Link Supported	Yes; requires ES1RF2

- Certified to BS 5446-2:2003
- Lock-in base
- 24 hour memory function
- Clear LED indication status



# Smoke & Heat Alarms

Compact design  
with lock-in base

Memory function  
device has a 24 hour memory

Auto sensor test  
alarm self-checks sensor

Hush function  
silences alarm activation for 10 minutes



Bedrooms



Garages



Stairways



Lofts



Living Areas



Escape Routes

## Mains & 10 Year Lithium Battery

Smoke & Heat Multi Sensor Alarm



ES1RF - RF-LINK MODULE

ES1MULV

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Multi Sensor; Sensor 1 - Optical Smoke Sensor 2 - Heat
Supply Type	Mains AC with battery backup
Supply Voltage (V AC)	230
Battery Backup	Non-replaceable 10 Year Battery

- Certified to EN 14604:2005 + AC:2008 & BS 5446-2:2003
- Dust compensation
- Insect mesh
- Lock-in wiring base
- 24 hour memory function
- Clear LED indication status



## 10 Year Lithium Battery

Smoke & Heat Multi Sensor Alarm



ES1RF2 - RF-LINK MODULE

ES1MUL

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Multi Sensor; Sensor 1 - Optical Smoke Sensor 2 - Heat
Supply Type	Battery Powered
Battery Backup	Non-replaceable 10 Year Battery
Wired Interconnect Supported	No

- Certified to EN 14604:2005 + AC:2008 & BS 5446-2:2003
- Dust compensation
- Insect mesh
- Lock-in base
- 24 hour memory function
- Clear LED indication status



# Carbon Monoxide Alarms

Compact design with lock-in base

Memory function device has a 24 hour memory

Auto sensor test alarm self-checks sensor

Hush function silences alarm activation for 10 minutes



espire®



Fuel Burning Areas



Kitchens

## Mains & 10 Year Lithium Battery

Carbon Monoxide Alarm



ES1RF - RF-LINK MODULE

ES1CLV

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Carbon Monoxide
Supply Type	Mains AC with battery backup
Supply Voltage (V AC)	230
Battery Backup	Non-replaceable 10 Year Battery
Wired Interconnect Supported	Yes

- Certified to EN 50291-1:2018
- Lock-in wiring base
- 24 hour memory function
- Clear LED indication status



## 10 Year Lithium Battery

Carbon Monoxide Alarm



ES1RF2 - RF-LINK MODULE

ES1CL

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Carbon Monoxide
Supply Type	Battery Powered
Battery Backup	Non-replaceable 10 Year Battery
Wired Interconnect Supported	No
RF-Link Supported	Yes; requires ES1RF2

- Certified to EN 50291-1:2018
- Lock-in base
- 24 hour memory function
- Clear LED indication status



## CO & Heat Alarms

Compact design  
with lock-in base

Memory function  
device has a 24 hour memory

Auto sensor test  
alarm self-checks sensor

Hush function  
silences alarm activation for 10 minutes



espire®



Fuel Burning  
Areas



Kitchens

## ESPIRE - CARBON MONOXIDE & HEAT MULTI SENSOR ALARM

### Mains & 10 Year Lithium Battery

Carbon Monoxide & Heat  
Multi Sensor Alarm



ES1RF - RF-LINK MODULE

ES1CHLV

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Multi Sensor; Sensor 1 - Carbon Monoxide Sensor 2 - Heat
Supply Type	Mains AC with battery backup
Supply Voltage (V AC)	230
Battery Backup	Non-replaceable 10 Year Battery

- Certified to EN 50291-1:2018 & BS 5446-2:2003
- Lock-in wiring base
- 24 hour memory function
- Clear LED indication status



### 10 Year Lithium Battery

Carbon Monoxide & Heat  
Multi Sensor Alarm



ES1RF2 - RF-LINK MODULE

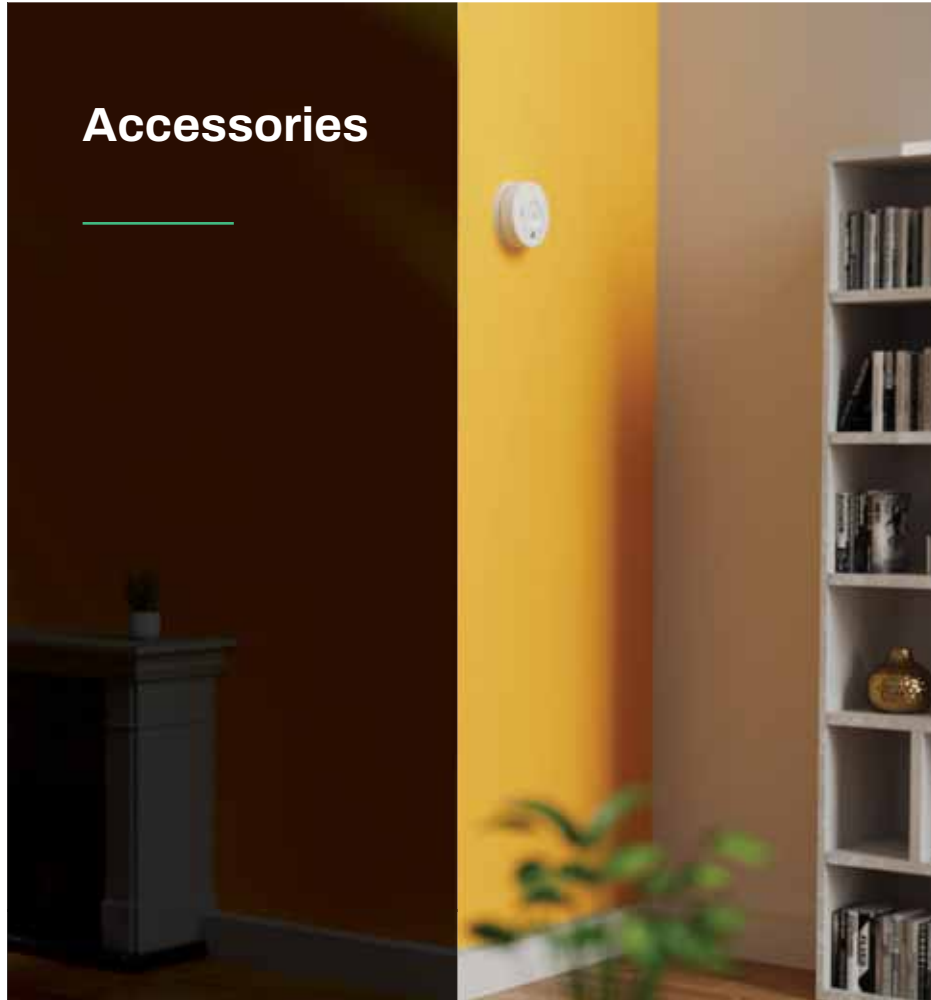
ES1CHL

Materials	UL94-V0 rated UV stabilised ABS
Sensor Type	Multi Sensor; Sensor 1 - Carbon Monoxide Sensor 2 - Heat
Supply Type	Battery Powered
Battery Backup	Non-replaceable 10 Year Battery
Wired Interconnect Supported	No

- Certified to EN 50291-1:2018 & BS 5446-2:2003
- Lock-in base
- 24 hour memory function
- Clear LED indication status



# Accessories



**Alarm Multi Tool  
 (2 Pack) White  
 or Black**



ES1MTW  
 ES1MTB

**Alarm Masking Plate**



ES1MP

**Sounder Strobe Powered  
 by Mains Supply**



ES1ST - RED  
 ES11ST - TRANSPARENT

**RF-Link Remote Controller**



ES1REM

**Alarm RF-Link Module 2**



ES1RF2

**RF-Link Relay Base**



ES1RBRF

**Alarm RF-Link Module**



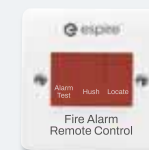
ES1RF

**Hardwired Interconnect  
 Relay Base**



ES1RB

**Hardwired Interconnect  
 Remote Controller**



ES1REMV

**Hardwired Interconnect  
 Input Module**



ES1MODV

## Reliable safety solutions



Auto dim LED status light



## Fire systems

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Created to balance performance, reliability and aesthetics whilst being fully CPR compliant and certified to EN54 standards. The range

includes everything required to complete high quality, durable, two wire, conventional and addressable fire alarm installations.



# MAGDUO & MAGFIRE

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44	<b>MAGDUO</b>
46	2-WIRE FIRE KITS
49	2-WIRE FIRE SYSTEM DEVICES
50	2-WIRE FIRE PANELS
60	2-WIRE FIRE ACCESSORIES
62	<b>MAGFIRE ADDRESSABLE</b>
63	ADDRESSABLE FIRE PANELS
66	ADDRESSABLE FIRE PANEL ACCESSORIES
68	ADDRESSABLE FIRE SYSTEM DEVICES
80	<b>MAGFIRE CONVENTIONAL</b>
82	CONVENTIONAL FIRE KITS
84	CONVENTIONAL FIRE PANELS
90	CONVENTIONAL FIRE DETECTORS
91	CONVENTIONAL FIRE SYSTEM DEVICES
102	BEAM DETECTORS
103	FIRE SYSTEM ACCESSORIES

# FIRE PROTECTION

# FIRE PROTECTION

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## System Design

ESP® can offer a team of dedicated design engineers who are fully trained & qualified in all of the relevant British Standards.

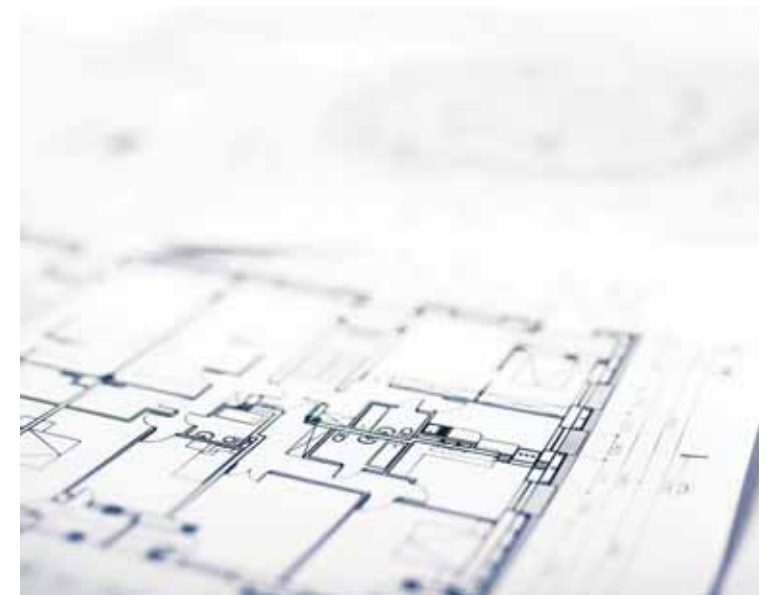
We are able to provide an in-depth solution to any challenge your building may provide, this is done by visiting sites and studying site drawings.

All of our Computer Aided Design (CAD) is carried out by qualified designers who can make any necessary changes to designs as the project progresses.

## Fire System Commissioning

Alongside ESP's extensive range of fire protection systems, a new commissioning service has been launched to ensure that an installed ESP® system operates correctly in accordance with the recommendations of BS5839-1.

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## Which Fire Alarm System Do I Require?

Alongside a comprehensive range of fire protection systems for the professional electrical contract market, ESP® can offer a team of dedicated design engineers who are fully trained & qualified in all of the relevant British Standards. ESP® Services include: Product Supply, System Design, Final Commissioning and on-going Technical Support.



LARGE

SIZE AND COMPLEXITY OF INSTALLATION

SMALL TO MEDIUM

### Addressable System Cabling

MAGFIRE

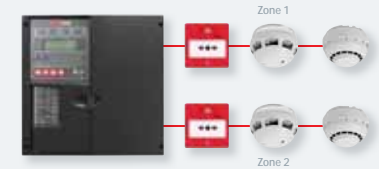
- Detectors, Call Points and Sounders are wired onto the same circuit known as the Loop Circuit (Ring Circuit)
- In an event of a fire, the fire alarm panel will indicate exactly which Device has been activated



### Two-Wire System Cabling

MAGDUO

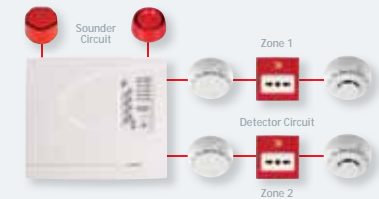
- Detectors, Call Points and Sounders are wired onto the same circuit known as the Zone Circuits
- In an event of a fire, the fire alarm panel will indicate which Zone and Device Type has been activated



### Conventional System Cabling

MAGFIRE

- Detectors and Call Points are wired onto circuits known as the Zone Circuits
- Sounders and Strobes are wired on a separate circuit known as the Sounder Circuits
- In an event of a fire, the fire alarm panel will indicate which Zone has been activated



# MAGDUO

## Conventional 2 Wired Systems

Intended for small to medium commercial applications that require advanced features including increased fire event information.

The detection devices, call points and sounders are installed on wired zoned circuits reducing the number of cable runs required.

- The system is 'Two-Wire' meaning that all system devices can be installed on the same circuit
- Up to 32 devices per zone\* (Dependent on Device Loading Unit: DLU, please refer to product technical specification)
- MAGDUO will support 2-8 zone applications
- The MAGDUO FlexiPoint detectors are changeable from smoke to heat detection mode using the dip switch settings with 7 different options
- FlexiPoint detectors are also available with inbuilt sounder & strobe options
- The 4 and 8 zone panels support up to 8 repeater panels

2 Zone Two Wire Conventional Fire Alarm Kit

FINISH OPTIONS



**MAGDUO2BKIT** - BLACK  
**MAGDUO2KIT** - LIGHT GREY



2 Zone Two-Wire Conventional Fire Alarm Kit

MAGDUO2 or MAGDUO2B	2 Zone 2-Wire Fire Alarm Panel
MAGDUOSHDS	2-Wire Conventional Combined Smoke & Heat Detector with Sounder
MAGDUOSHDS	2-Wire Conventional Combined Smoke & Heat Detector with Sounder & Strobe
MAGDUOCP	2-Wire Conventional Manual Call Point
MAGDUOSHVRT	MAGDUO Head Removal Tool

- MAGDUO2B 2 zone Two-Wire fire panel (Requires 2 x 12v 3.2ah SLA Batteries)
- 6 x MAGDUOSHDS Selectable optical smoke / heat detectors with inbuilt sounders & bases included
- 1 x MAGDUOSHDS Selectable optical smoke / heat detectors with inbuilt sounder & strobe, base included
- 2 x MAGDUOCP Resettable call points
- 1 x MAGDUOSHVRT Head removal tool

4 Zone Two Wire Conventional Fire Alarm Kit

FINISH OPTIONS



**MAGDUO4BKIT** - BLACK  
**MAGDUO4KIT** - LIGHT GREY



4 Zone Two-Wire Conventional Fire Alarm Kit

MAGDUO4 or MAGDUO4B	4 Zone 2-Wire Fire Alarm Panel
MAGDUOSHDS	2-Wire Conventional Combined Smoke & Heat Detector with Sounder
MAGDUOSHDS	2-Wire Conventional Combined Smoke & Heat Detector with Sounder & Strobe
MAGDUOCP	2-Wire Conventional Manual Call Point
MAGDUOSHVRT	MAGDUO Head Removal Tool

- MAGDUO4B 4 zone Two-Wire fire panel (Requires 2 x 12v 3.2ah SLA Batteries)
- 6 x MAGDUOSHDS Selectable optical smoke / heat detectors with inbuilt sounders & bases included
- 1 x MAGDUOSHDS Selectable optical smoke / heat detectors with inbuilt sounder & strobe, base included
- 2 x MAGDUOCP Resettable call points
- 1 x MAGDUOSHVRT Head removal tool

8 Zone Two Wire Conventional Fire Alarm Kit

FINISH OPTIONS



**MAGDUO8BKIT** - BLACK  
**MAGDUO8KIT** - LIGHT GREY

8 Zone Two-Wire Conventional Fire Alarm Kit

MAGDUO8 or MAGDUO8B	8 Zone 2-Wire Fire Alarm Panel
MAGDUOSHDS	2-Wire Conventional Combined Smoke & Heat Detector with Sounder
MAGDUOSHDS	2-Wire Conventional Combined Smoke & Heat Detector with Sounder & Strobe
MAGDUOCP	2-Wire Conventional Manual Call Point
MAGDUOSHDR	MAGDUO Head Removal Tool

- MAGDUO8B 8 zone Two-Wire fire panel (Requires 2 x 12v 3.2ah SLA Batteries)
- 6 x MAGDUOSHDS Selectable optical smoke / heat detectors with inbuilt sounders & bases included
- 1 x MAGDUOSHDS Selectable optical smoke / heat detectors with inbuilt sounder & strobe, base included
- 2 x MAGDUOCP Resettable call points
- 1 x MAGDUOSHDR Head removal tool

Module for MAGDUO

FINISH OPTIONS



**MAGDUOIOR** - BLACK



Materials	ABS UL94:V2
Mounting	Surface
Mains Operating Voltage (V DC)	25.5 - 35
Battery Operating Voltage (V DC)	30 - 26
Device Loading Units (DLU's)	23
Maximum Cable Size (mm <sup>2</sup> )	1.5

MAGDUO4 Zone Expansion Card



**MAGDUOZC4**

Materials	PCB
Maximum Cable Size (mm <sup>2</sup> )	1.5 (2 Core Screened Fire Rated Cable)
Zones	4; Up to 32 Devices (Dependant on Device Loading Units, 160 per Zone)
Maximum Detectors Per Zone	Up to 32 Devices (Dependant on Device Loading Units, 160 per Zone)
Maximum Cable Length Per Zone (m)	500
Wiring Type	2-Wire Conventional

MAGDUO4 Zone Conventional Card



**MAGDUOCC4**

Materials	PCB
Maximum Cable Size (mm <sup>2</sup> )	1.5 (2 Core Screened Fire Rated Cable)
Zones	4; Up to 32 Devices (4-Wire Conventional)
Maximum Detectors Per Zone	Up to 32 Devices
Maximum Cable Length Per Zone (m)	500
Wiring Type	2-Wire Conventional

Battery Expansion Box for MAGDUO

FINISH OPTIONS



**MAGDUOBBB** - GREY



Materials	Mild Steel, Powder Coated
Mounting	Surface
Dimensions (mm)	330 x 175 x 89

EN54-18

CPR COMPLIANT

UK MADE

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2 Zone Two Wire Fire Panel

FINISH OPTIONS



**MAGDUO2B** - BLACK

**MAGDUO2** - LIGHT GREY

BAT32 - 12V 3.2AH BATTERY  
MAGDUOPK - REPLACEMENT PANEL KEY

Materials	ABS UL94:V0
Mounting	Surface
Supply Voltage (V AC)	230
Nominal Operating Current (mA)	700
Standby Supply	2 x 12V 3.2 Ah SLA Battery (Sold Separately)
PSU Output (4 Hour Continuous)(A)	2.1
Zones	2; Up to 32 Devices (Dependant on Device Loading Units , 160 per Zone)
Wiring Type	2-Wire Conventional
Dimensions (mm)	331 x 331 x 99

- Active end of line monitoring and head removal
- Ability to differentiate between smoke detector, heat detector or a manual call point alarms
- Alarm confirmation feature
- Event log storing up to 500 events
- 3 enhanced test modes
- Zone can be configured to day/night detection mode
- Delay programming options
- Optional extended battery box with capacity for 2 x 12V 7.0Ah batteries

4 Zone Two Wire Fire Panel

FINISH OPTIONS



**MAGDUO4B** - BLACK

**MAGDUO4** - LIGHT GREY

BAT32 - 12V 3.2AH BATTERY  
MAGDUOBBB - BATTERY EXPANSION BOX  
MAGDUOPK - REPLACEMENT PANEL KEY

Materials	ABS UL94:V0
Mounting	Surface
Supply Voltage (V AC)	230
Nominal Operating Current (mA)	700
Standby Supply	2 x 12V 3.2 Ah SLA Battery (Sold Separately)
PSU Output (4 Hour Continuous)(A)	2.1
Zones	4; Up to 32 Devices (Dependant on Device Loading Units , 160 per Zone)
Wiring Type	2-Wire Conventional
Dimensions (mm)	331 x 331 x 99

- Active end of line monitoring and head removal
- Ability to differentiate between smoke detector, heat detector or a manual call point alarms
- Alarm confirmation feature
- RS485 connection to up to 8 repeater panels
- Event log storing up to 500 events
- 3 enhanced test modes
- Zone can be configured to day/night detection mode
- Delay programming options

EN54-2

EN54-4

CPR

UK  
MADE

EN54-2

EN54-4

CPR

UK  
MADE

8 Zone Two Wire Fire Panel

FINISH OPTIONS



EN54-2

EN54-4

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**MAGDUO8B** - BLACK

**MAGDUO8** - LIGHT GREY

BAT32 - 12V 3.2AH BATTERY  
MAGDUOBBB - BATTERY EXPANSION BOX  
MAGDUOPK - REPLACEMENT PANEL KEY

Materials	ABS UL94:V0
Mounting	Surface
Supply Voltage (V AC)	230
Nominal Operating Current (mA)	700
Standby Supply	2 x 12V 3.2 Ah SLA Battery (Sold Separately)
PSU Output (4 Hour Continuous)(A)	2.1
Zones	8; Up to 32 Devices (Dependant on Device Loading Units , 160 per Zone)
Wiring Type	2-Wire Conventional
Dimensions (mm)	331 x 331 x 99

- Active end of line monitoring and head removal
- Ability to differentiate between smoke detector, heat detector or a manual call point alarms
- Alarm confirmation feature
- RS485 connection to up to 8 repeater panels
- Event log storing up to 500 events
- 3 enhanced test modes
- Zone can be configured to day/night detection mode
- Delay programming options

Conventional Repeater Panel for MAGDUO

FINISH OPTIONS



**MAGDUOREPB** - BLACK

**MAGDUOREP** - LIGHT GREY

Materials	ABS UL94:V0
Mounting	Surface
Nominal Operating Voltage (V DC)	24
Maximum Current Consumption	50mA (24V DC)
Maximum Cable Size (mm <sup>2</sup> )	1.5 (2 Core Screened Fire Rated Cable)
Compatible Panels	MAGDUO 4 & 8 Zone panels only
Maximum Number Per Panel	8
Communication Type	RS-485
Dimensions (mm)	250 x 140 x 85

- Compatible with MAGDUO 4 or 8 zones control panels only
- Reports MAGDUO panel events to a remote location
- Capable of performing system controls (i.e. Silence Alarms, Reset, Sound Alarms & Silence Buzzer)
- Maximum of 8 repeater panels can be connected to a single control panel
- Requires EN54-4 Compliant PSU

UK  
MADE

**FlexiPoint Combined  
Detector for Fire Detection**



FINISH OPTIONS



**MAGDUOSH D** - WHITE

MAGDUOSHDB - DEEP BASE

Materials	ABS UL94V2
Operating Voltage (V DC)	18 - 32
Maximum Current Consumption	15.50mA
Device Loading Units (DLU's)	23
Maximum Cable Size (mm <sup>2</sup> )	1.5
Wiring Type	2-Wire Conventional

- 7 modes of fire detection
- Built-in end of line function
- Self-calibration every 6 hours
- Continuous dust contamination monitoring
- Device wiring base included

EN54-5

EN54-7



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MADE

**FlexiPoint Detector with  
Sounder & Strobe for  
Fire Detection**



FINISH OPTIONS



**MAGDUOSHSS** - WHITE

MAGDUOSHDB - DEEP BASE

Materials	ABS UL94V2
Operating Voltage (V DC)	18 - 32
Maximum Current Consumption	28.5mA
Device Loading Units (DLU's) - High	16
Maximum Cable Size (mm <sup>2</sup> )	1.5
Sound Output @ 1m (High) (db)	90+

- 7 modes of fire detection
- Complete with 3 sounder modes and LED strobe
- Built-in end of line function
- Self-calibration every 6 hours
- Device wiring base included
- Continuous dust contamination monitoring

EN54-3

EN54-5

EN54-7



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**FlexiPoint Detector with  
Sounder for Fire Detection**



FINISH OPTIONS



**MAGDUOSHDS** - WHITE

MAGDUOSHDB - DEEP BASE

Materials	ABS UL94V2
Operating Voltage (V DC)	18 - 32
Maximum Current Consumption	23.8mA
Device Loading Units (DLU's) - High	8
Maximum Cable Size (mm <sup>2</sup> )	1.5
Sound Output @ 1m (High) (db)	90+

- 7 modes of fire detection
- Complete with 3 sounder modes
- Built-in end of line function
- Self-calibration every 6 hours
- Device wiring base included
- Continuous dust contamination monitoring

EN54-3

EN54-5

EN54-7



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**Strobe for MAGDUO**



EN54-3

CPR

UK  
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IP55

FINISH OPTIONS



**MAGDUOSIP55 - RED**

Materials	ABS UL94:V2
Mains Operating Voltage (V DC)	25.5 - 35
Battery Operating Voltage (V DC)	26
Maximum Current Consumption	5mA
Device Loading Units (DLU's)	33
Maximum Cable Size (mm <sup>2</sup> )	1.5

- IP55 Ingress protection
- LED strobe
- Built-in end of line function
- Device base included

**Sounder for MAGDUO**



EN54-3

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IP55

FINISH OPTIONS



**MAGDUOSRIP55 - RED**

Materials	ABS UL94:V2
Mains Operating Voltage (V DC)	25.5 - 35
Battery Operating Voltage (V DC)	27 - 26
Maximum Current Consumption	14.5mA
Device Loading Units (DLU's)	14.5
Maximum Cable Size (mm <sup>2</sup> )	1.5

- IP55 Ingress protection
- Volume level adjustment
- Built-in end of line function
- Device base included

**Sounder Strobe for MAGDUO - Domed**



FINISH OPTIONS



**MAGDUOSS - WHITE**

Materials	ABS UL94:V2
Mains Operating Voltage (V DC)	25.5 - 35
Battery Operating Voltage (V DC)	25 - 26
Maximum Current Consumption	23.5mA
Device Loading Units (DLU's)	54
Maximum Cable Size (mm <sup>2</sup> )	1.5

- Complete with 3 sounder modes and LED strobe
- Volume level adjustment
- Built-in end of line function
- Domed profile design
- Device wiring base included

**Sounder Strobe for MAGDUO - Low Profile**



FINISH OPTIONS



**MAGDUOSSLP - WHITE**

Materials	ABS UL94:V2
Mains Operating Voltage (V DC)	25.5 - 35
Battery Operating Voltage (V DC)	24 - 26
Maximum Current Consumption	23.5mA
Device Loading Units (DLU's)	54
Maximum Cable Size (mm <sup>2</sup> )	1.5

- Complete with 3 sounder modes and LED strobe
- Volume level adjustment
- Built-in end of line function
- Low profile design
- Device wiring base included

**Ceiling Sounder for MAGDUO**



FINISH OPTIONS



**MAGDUOSR** - RED  
**MAGDUOSW** - WHITE

Materials	ABS UL94V2
Mains Operating Voltage (V DC)	25.5 - 35
Battery Operating Voltage (V DC)	20 - 26
Maximum Current Consumption	10mA
Device Loading Units (DLU's)	36
Maximum Cable Size (mm <sup>2</sup> )	1.5

- Ceiling mount sounder
- Volume level adjustment
- Built-in end of line function
- Device wiring base included

EN54-3

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**Call Point for MAGDUO**



FINISH OPTIONS



**MAGDUOCP** - RED

MAGDUOCP - CALL POINT COVER

Materials	ABS UL94V2
Mounting	Surface
Mains Operating Voltage (V DC)	25.5 - 35
Battery Operating Voltage (V DC)	28 - 26
Device Loading Units (DLU's)	16
Type of the frangible element	A

- Resettable manual call point
- Built-in end of line function
- Device base included

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**Wall Sounder for MAGDUO**



FINISH OPTIONS



**MAGDUOSRSQ** - RED  
**MAGDUOSWSQ** - WHITE

Materials	ABS UL94V2
Mains Operating Voltage (V DC)	25.5 - 35
Battery Operating Voltage (V DC)	22 - 26
Maximum Current Consumption	14.5mA
Device Loading Units (DLU's)	14.5
Maximum Cable Size (mm <sup>2</sup> )	1.5

- Wall mount red sounder
- Volume level adjustment
- Built-in end of line function
- Device base included

EN54-3

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**Call Point for MAGDUO**



FINISH OPTIONS



**MAGDUOCP65** - RED

MAGDUOCP - CALL POINT COVER

Materials	ABS UL94V2
Mounting	Surface
Mains Operating Voltage (V DC)	25.5 - 35
Battery Operating Voltage (V DC)	29 - 26
Device Loading Units (DLU's)	16
Type of the frangible element	A

- IP65 ingress protection
- Resettable manual call point
- Built-in end of line function
- Device base included

EN54-11

CPR

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IP65

**MAGDUO Software**



**MAGDUOPCS**

Type	USB Memory Stick
Dimensions (mm)	56 x 11 x 9

**Call Point Cover for MAGDUO**

FINISH OPTIONS



**MAGDUOCP** - TRANSPARENT



Materials	ABS
Dimensions (mm)	86 x 90 x 25

**Spare Call Point Key for MAGDUO**

FINISH OPTIONS



**MAGDUOCPK** - BLACK



Materials	Plastic
Dimensions (mm)	43 x 14 x 3

**Two Wire Fire Panel Spare Key**

FINISH OPTIONS



**MAGDUOPK** - SILVER



Materials	Metal Alloy
Dimensions (mm)	27 x 16 x 6

**Deep Base for MAGDUO Devices**

FINISH OPTIONS



**MAGDUOSHDB** - WHITE



Materials	ABS
Dimensions (mm)	ø107 x 38.3

**MAGDUO Head Removal Tool**

FINISH OPTIONS



**MAGDUOSHDR** - BLACK



Materials	ABS
Dimensions (mm)	97 x 97 x 140

# MAGFIRE

## Addressable Systems

Intended for medium to large commercial applications that require advanced features and pin point notifications for fire events.

The detection devices, call points and sounders are installed on the systems wiring loop, and addressed to the panel for identification.



### Addressable 16 Zone Fire Panel

#### FINISH OPTIONS



**MAGPRO16G** - DARK GREY

**MAGPRO16** - WHITE

MAGPRO16-L250 - LOOP EXPANDER CARD  
BAT18 - 12V 17AH BATTERY  
MAGDUOPK - REPLACEMENT PANEL KEY

Materials	Steel
Mounting	Surface
Operating Voltage (V AC)	90 - 264
Standby Supply	Up to 12V 17Ah (Battery Calculation Required)
Maximum Devices Per Loop	Up to 250 Devices (Loop Calculation Required)
Loops	1
Maximum Number of Loops	Expandable up to 2
Wiring Type	Analogue Addressable (MAGPRO)
Protocol Type	Custom (Closed)
Dimensions (mm)	306 x 412 x 81.2

- 16 zones
- Maximum 250 devices per loop
- Memory log: 10,000 events
- Networkable up to 32 panels
- Class change function
- Free programming software (available upon request)
- Micro USB port for PC connection
- Loop & battery calculator software included

EN54-2

EN54-4

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**Addressable 96 Zone Fire Panel**

FINISH OPTIONS



EN54-2

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MAGPRO96-L250 - LOOP EXPANDER CARD  
BAT18 - 12V 17AH BATTERY  
MAGPRO96GBB - BATTERY EXPANSION BOX  
MAGDUOPK - REPLACEMENT PANEL KEY

**MAGPRO9601 - DARK GREY**

Materials	Metal, powder-coated
Display	5" 800 x 480 TFT Touchscreen
Supply Voltage (V AC)	230
Standby Supply	1 x 12V SLA Battery - Up to 18Ah - Ø5mm (M5) (sold separately)
Zones	96
LED Indication for Zone Circuits	96 Zone LEDs
Maximum Devices Per Loop	250 (subject to loop calculation)
Loops	1 (expandable up to 4)(MAGPRO96-L250 required)
Wiring Type	Addressable
Protocol Type	Custom (Closed)

- 96 Zones
- Maximum 250 devices per loop
- Memory log: 10,000 events
- Networkable up to 32 Panels
- Class change function
- Free programming software (available upon request)
- Micro USB port for PC connection
- Loop & battery calculator software included

**Addressable Repeater Panel**

FINISH OPTIONS



**MAGPRO-REP - WHITE**

Materials	ABS
Operating Voltage (V DC)	24 (± 4)
Maximum Current Consumption	0.11A
Maximum Cable Size (mm²)	2.5
Maximum Number of Networked Panels	32
Type of Network	Loop

- Wall-mount design
- MAGPRO16 firmware REV 2.8 or higher required
- Compatible with MAGPRO96
- Requires 24VDC external power supply
- Each panel in network will require a MAGPRO-NIC
- Ring type network
- 10,000 event log within the repeater

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**Addressable Repeater Panel**

FINISH OPTIONS



**MAGPRO-REP01 - DARK GREY**

Materials	ABS
Operating Voltage (V DC)	24 (± 4)
Maximum Current Consumption	0.4A
Maximum Cable Size (mm²)	2.5
Maximum Number of Networked Panels	64
Type of Network	Loop

- Compatible with MAGPRO series of CIE
- Slim design
- Reset/Evacuate/Silence Sounders and Buzzers of all network panels
- Multilanguage support
- Changeable company logo on main standby screen
- Optional redundant network connection

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Network Interface Card



MAGPRO-NIC

Materials	PCB
Cable Size (mm <sup>2</sup> )	0.5 - 2.5
Maximum Number of Networked Panels	32
Backup Communication	Yes; Redundancy Circuit
Maximum Communication Range (m)	1000m
Communication Type	RS-485

- Networks between MAGPRO16/96 & MAGPRO-REP
- MAGPRO16 firmware REV 2.8 or higher required
- MAGPRO96 firmware REV 4.2 or higher required
- RS-485 communication protocol
- On-board LED indication
- Power supply from the panel
- Programming from the panel
- 1000m transmission distance between modules



Single Loop Expander for 250 Devices



MAGPRO96-L250

Materials	PCB
Maximum Devices Per Loop	Up to 250 Devices (Loop Calculation Required)
Loops	1
Wiring Type	Analogue Addressable
Protocol Type	Custom (Closed)
Dimensions (mm)	75 x 80

- Suitable for use with MAGPRO96 & MAGPRO96G
- Expands loops by 1



Single Loop Expander for 250 Devices



MAGPRO16-L250

Materials	PCB
Maximum Devices Per Loop	Up to 250 Devices (Loop Calculation Required)
Loops	1
Wiring Type	Analogue Addressable
Protocol Type	Custom (Closed)
Dimensions (mm)	75 x 80

- Suitable for use with MAGPRO16 & MAGPRO16G
- Expands loops by 1



Battery Expansion Box for MAGPRO96G



FINISH OPTIONS



MAGPRO96GGB - GREY

Materials	Metal Powder-Coated
Mounting	Surface
Supply Voltage (V AC)	230 (0.6A, 4A fuse)
Output Rating	9.9 - 14.2V DC
Charger Outputs	13.65V A±1% @20° C Max. 2A
Maximum battery capacity	2 x 12V/18Ah

- Certified according to EN 54-4
- Supports 2x 12V/18Ah



### Addressable Sounder



FINISH OPTIONS



**MAGPRO-WS - RED**

MAGPRO-DB - WIRING BASE

Materials	ABS
Operating Voltage (V DC)	15 - 32
Max Consumption In Activation - Tone Type 27 - High Volume Level (mA)	<16.5
Number of Available Tones	32
Volume Modes	2 (Low & High)
Sound Output @ 1m (High) (db)	95+

- Piezo sounder
- Loop synchronization & powered
- Base MAGPRO-DB supplied seperately

EN54-3

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### Addressable Sounder Strobe VAD



FINISH OPTIONS



**MAGPRO-WSS23 - RED**

Materials	SAN (Styrene Acrylonitrile Resin)
Operating Voltage (V DC)	15 - 32
Max Consumption In Activation - Tone Type 27 - High Volume Level (mA)	<22
Number of Available Tones	32
Volume Modes	2 (Low & High)
Sound Output @ 1m (High) (db)	95+

- Piezo sounder
- Loop synchronization & powered
- Base MAGPRO-DB ordered seperately

EN54-23

CPR

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### Addressable Sounder Strobe



FINISH OPTIONS



**MAGPRO-WSS - RED**

Materials	SAN (Styrene Acrylonitrile Resin)
Operating Voltage (V DC)	15 - 32
Max Consumption In Activation - Tone Type 27 - High Volume Level (mA)	<13
Number of Available Tones	32
Volume Modes	2 (Low & High)
Sound Output @ 1m (High) (db)	95+

- Piezo sounder
- Loop synchronization & powered
- Base MAGPRO-DB supplied seperately

EN54-3

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### Addressable Fire Alarm Sounder IP65 Base



FINISH OPTIONS



**MAGPRO-WSBIP65 - RED**

Materials	ABS
Operating Voltage (V DC)	15 - 30
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Wiring Type	Analogue Addressable (MAGPRO)
Dimensions (mm)	ø120 x 68

- For MAGPRO addressable sounders
- Compatible with MAGPRO-WS, WSS & WSS23
- Suitable for outdoor wall mounting
- Includes 2 x IP65 cable glands, O-ring & gasket

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IP65

**Addressable Heat Detector**



FINISH OPTIONS



EN54-5

CPR

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**MAGPRO-HD1** - WHITE

MAGPRO-DB - WIRING BASE

Materials	ABS
Operating Voltage (V DC)	15 - 30
Consumption in alarm state, with communication (mA)	6.5
Available Classes (Selected from CIE)	A1R/A2S/BS
Wiring Type	Analogue Addressable (MAGPRO)
Protocol Type	Custom (Closed)

- Day/Night mode
- Low profile design
- LED indication with 360° visibility
- Base supplied separately MAGPRO-DB, MAGPRO-DBS

**Addressable Smoke & Heat Detector**



FINISH OPTIONS



EN54-5

EN54-7

CPR

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**MAGPRO-HSD1** - WHITE

MAGPRO-DB - WIRING BASE

Materials	ABS
Operating Voltage (V DC)	15 - 30
Consumption in alarm state, with communication (mA)	6.5
Class	A1R
Available Sensitivity (Selected from CIE)	High/Normal/Middle/Low
Wiring Type	Analogue Addressable (MAGPRO)

- Day/Night mode
- Low profile design
- LED indication with 360° visibility
- Base supplied separately MAGPRO-DB, MAGPRO-DBS

**Addressable Smoke Detector**



FINISH OPTIONS



EN54-7

CPR

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**MAGPRO-SD1** - WHITE

MAGPRO-DB - WIRING BASE

Materials	ABS
Operating Voltage (V DC)	15 - 30
Consumption in alarm state, with communication (mA)	6.5
Available Sensitivity (Selected from CIE)	High/Normal/Middle/Low
Wiring Type	Analogue Addressable
Protocol Type	Custom (Closed)

- Day/Night mode
- Low profile design
- LED indication with 360° visibility
- Base supplied separately MAGPRO-DB, MAGPRO-DBS

**Programming Tool**



**MAGPRO-PROG**

Materials	ABS
Operating Voltage (V DC)	4.2 - 8
Back-up Power Supply	4 x 1.5V - AA Size Batteries
Communication Consumption(mA)	60 (± 5) (@6V DC)
Range Of Addresses	0 - 250
Wiring Type	Analogue Addressable (MAGPRO)

- Built in MAGPRO-DB standard base
- Mains or battery powered (4 x 1.5V not included)
- Programming cable included

**MAGPRO Addressable Fire EN54-23 VAD Base White LEDs**



**MAGPRO-DB23W**

Materials	ABS
Operating Voltage (V DC)	20 to 32
Maximum Current Consumption (mA)	19
Cable Size (mm <sup>2</sup> )	0.4 to 1.5
Wiring Type	Analogue Addressable (MAGPRO)
Protocol Type	Custom (Closed)

- Ceiling mount VAD base
- Requires MAGPRO-DBS1 for VAD to operate

EN54-23

CPR

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**Addressable Sounder Strobe Base**



FINISH OPTIONS



**MAGPRO-DBS1 - WHITE**

MAGPRO-DB - WIRING BASE  
MAGPRO-DBSC - WHITE LID

Materials	ABS
Operating Voltage (V DC)	15 - 32
Max Consumption In Activation - Tone Type 27 - High Volume Level (mA)	10 (@27V DC)
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Number of Available Tones	32
Volume Modes	2 (Low & High)

- Ceiling or wall mount VID base

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**MAGPRO Addressable Fire Sounder Deep Base White**



**MAGPRO-DBS1**

MAGPRO-DB - WIRING BASE  
MAGPRO-DB23W - VAD WIRING BASE  
MAGPRO-DBSC - WHITE LID

Materials	ABS
Operating Voltage (V DC)	16 - 32
Max Consumption In Activation - Tone Type 27 - High Volume Level (mA)	10 (@27V DC)
Number of Available Tones	32
Volume Modes	2 (Low & High)
Sound Output @ 1m (High) (db)	88

- Requires MAGPRO-DB or MAGPRO-DB23W bases for installation
- Compatible with MAGPRO-SD1, MAGPRO-HD1 & MAGPRO-CSD1

EN54-3

CPR

EU MADE

**Addressable Detector Base**



FINISH OPTIONS



**MAGPRO-DB - WHITE**

Materials	ABS
Operating Voltage (V DC)	15 - 30
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Wiring Type	
Dimensions (mm)	ø103 x 14.7

- For MAGPRO-SD1, MAGPRO-HD1 & MAGPRO-CSD1

CPR

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**Addressable Call Point**



FINISH OPTIONS



**MAGPRO-CP** - RED

MAGPRO-CPC - PACK OF 5  
CALLPOINT COVERS

Materials	ABS
Mounting	Surface or Flush (Surface Back Box Supplied)
Operating Voltage (V DC)	15 - 32
Consumption in Fire Mode (mA)	3
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Type of the frangible element	A

- Resettable call point
- Built in isolator
- Optional protective plastic cover

EN54-11

EN54-17

CPR

EU  
MADE

**Addressable IP67 Rated Red Manual Call Point**



FINISH OPTIONS



**MAGPRO-CPIP67** - RED

MAGPRO-CPC - PACK OF 5  
CALLPOINT COVERS

Materials	ABS
Mounting	Surface Only
Operating Voltage (V DC)	15 - 32
Consumption in Fire Mode (mA)	3
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Type of the frangible element	A

- Resettable call point
- Built in isolator
- IP67 Rated
- Optional protective plastic cover

EN54-11

EN54-17

CPR

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MADE

IP67



### 1 Monitored Output Module with Isolator



**MAGPRO-10SI**

Materials	ABS
Operating Voltage (V DC)	15 - 32
Maximum Current Consumption	3.6mA
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Number of Outputs	1 Monitored Conventional Detection Zone
Wiring Type	Analogue Addressable (MAGPRO)

- Integrates conventional sounder into addressable system
- Loop powered
- Built in isolator
- Can be powered via an external 24V PSU (optional)

EN54-17

EN54-18

CPR

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MADE

### 4 Input Module with Isolator



**MAGPRO-4100**

Materials	ABS
Operating Voltage (V DC)	15 - 32
Maximum Current Consumption	7mA
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Number of Inputs	4 Monitored
Wiring Type	Analogue Addressable (MAGPRO)

- 4 monitored inputs
- Loop powered
- Built in isolator
- Extinguishing/sprinkler panel

EN54-17

EN54-18

CPR

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MADE

### 2 Input 2 Output Module with Isolator



**MAGPRO-2120**

Materials	ABS
Operating Voltage (V DC)	15 - 32
Maximum Current Consumption	7mA
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Number of Inputs	2 Monitored
Number of Outputs	2 Volt-Free (Volt-free rated at 1A @4V DC)

- 2 monitored inputs
- 2 volt-free outputs
- Loop powered
- Built in isolator
- Link to monitoring station signalling devices

EN54-17

EN54-18

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### 4 Output Module with Isolator



**MAGPRO-0140**

Materials	ABS
Operating Voltage (V DC)	15 - 32
Maximum Current Consumption	7mA
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Number of Outputs	4 (Volt-free rated at 1A @4V DC)
Wiring Type	Analogue Addressable (MAGPRO)

- 4 volt-free outputs
- Loop powered
- Built in isolator
- Shutdown of ventilation equipment & door override

EN54-17

EN54-18

CPR

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MADE

**Conventional Zone Module with Isolator**



**MAGPRO-CZM**

Materials	ABS
Operating Voltage (V DC)	15 - 32
Maximum Current Consumption	5.5mA
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Number of Outputs	1 Monitored Conventional Sounder Circuit
Wiring Type	Analogue Addressable (MAGPRO)

- Integrate 4-wire con detectors into addressable system
- Loop powered
- Built in isolator
- Can be powered via an external 24V PSU (optional)

EN54-11

EN54-17

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**Mains Relay Output Module with Isolator**



**MAGPRO-R**

Materials	ABS
Operating Voltage (V DC)	15 - 32
Maximum Current Consumption	4mA
Maximum Cable Size (mm <sup>2</sup> )	2.5
Number of Outputs	1 (Volt-Free rated at 5A @ 250V AC)
Wiring Type	Analogue Addressable (MAGPRO)

- Loop powered
- Built in isolator
- Example application - AC 240V door magnet override

EN54-17

EN54-18

CPR

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**Loop Isolator Module**



FINISH OPTIONS



**MAGPRO-IM - GREY**

Materials	ABS
Operating Voltage (V DC)	15 - 32
Nominal Current Consumption (µA)	200
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Wiring Type	Analogue Addressable (MAGPRO)
Protocol Type	Custom (Closed)

**1 Input Module**



**MAGPRO-MINI**

Materials	Heat Shrink Wrapped PCB
Operating Voltage (V DC)	15 - 32
Maximum Current Consumption	100 µA @ 27Vdc
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Wiring Type	Analogue Addressable (MAGPRO)
Protocol Type	Custom (Closed)

**LED Indicator Plate**



FINISH OPTIONS



**ZRL2 - WHITE**

Materials	Fire Rated ABS
Mounting	Surface or Flush
Operating Voltage (V DC)	12 - 28
Current Consumption (Conventional)(mA)	22
Current Consumption (Addressable)	Detector Dependant
Flash Rate	Permanent

EN54-17

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EN54-18

CPR

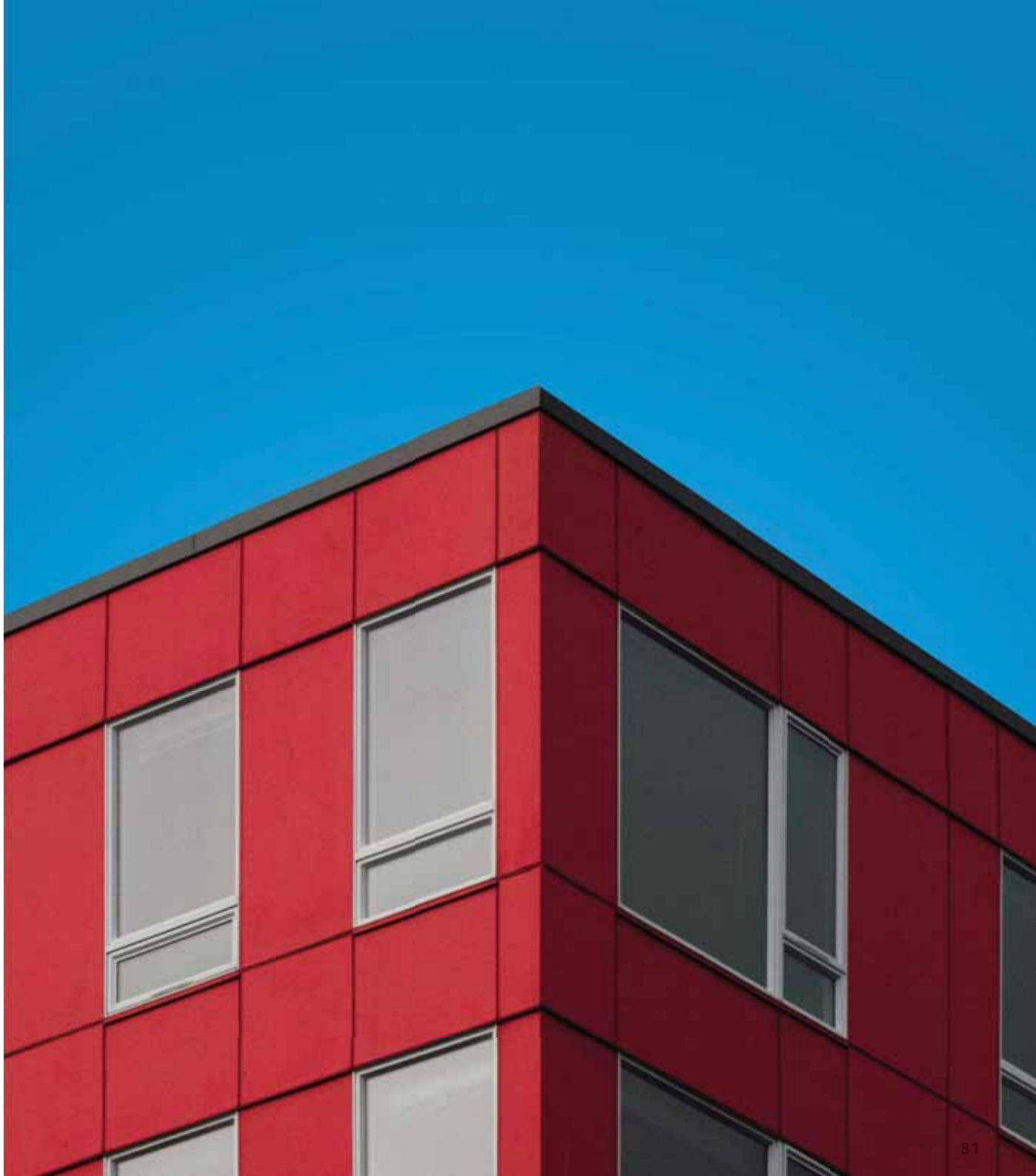
EU MADE

# MAGFIRE

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## Conventional 4 Wire Systems

Intended for small to medium commercial applications that require zoned notifications for when a fire event has occurred. The detection devices and call points are installed on wired zoned circuits separately from the system sounders.



**2 Zone Conventional Fire Alarm Kit**

FINISH OPTIONS



**FLK2P - WHITE**

**Kit Contains**

- 1 x MAG2P
- 6 x PSD-2
- 2 x SCP2R
- 2 x BA-2R
- 1 x BAT7

**2 Zone Conventional Fire Alarm Kit**

MAG2P	2 Zone ABS Conventional Fire Panel
PSD2	Conventional Optical Smoke Detector & Diode Base
SCP2R	Resettable Conventional Manual Call Point
BA-2R	IP45 Surface Banshee Sounder
BAT7	12V - 7.0ah SLA Battery

- 2 Detection Zones
- 2 Sounder Circuits
- Active end of line monitoring and head removal
- 20 Fire detectors per zone
- Unlimited number of call points per zone
- Integral sound alarm button
- Class change' facility
- Enable/disable security key
- One man walk test facility

**4 Zone Conventional Fire Alarm Kit**

FINISH OPTIONS



**FLK4PH - WHITE**

**Kit Contains**

- 1 x MAG4P
- 5 x PSD-2
- 1 x FHD-2
- 2 x SCP2R
- 1 x BAT7
- 2 x BA-2R

**4 Zone Conventional Fire Alarm Kit**

MAG4P	4 Zone ABS Conventional Fire Panel
PSD2	Conventional Optical Smoke Detector & Diode Base
FHD2	Conventional Fixed Temperature Heat Detector & Diode Base
SCP2R	Resettable Conventional Manual Call Point
BA-2R	IP45 Surface Banshee Sounder
BAT7	12V - 7.0ah SLA Battery

- 4 Detection Zones
- 4 Sounder Circuits
- Active end of line monitoring and head removal
- 20 Fire detectors per zone
- Unlimited number of call points per zone
- Integral sound alarm button
- Class change' facility
- Enable/disable security key
- One man walk test facility



2 Zone Fire Panel

FINISH OPTIONS



EN54-2

EN54-4

CPR

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**MAG2 - WHITE**

BAT7 - 12V 7AH BATTERY  
MAGBAR2/4 - REPLACEMENT LOCK BARREL SET

Materials	Steel
Mounting	Surface
Supply Voltage (V AC)	230
Power Availability (A)	0.7
Standby Supply	Up to 12V 7Ah (Battery Calculation Required)
Mains Fail Consumption (mA)	50
Wiring Type	4-Wire Conventional
Zones	2 Detection Zones 2 Sounder Circuits
Dimensions (mm)	200 x 290 x 80

- Active end of line monitoring and head removal
- Unlimited number of call points per zone
- Integral sound alarm button
- Class change facility
- Enable/disable security key
- One man walk test facility
- Volt free fire change over relay
- Volt free fault change over relay
- Individual sounder circuit fault ID

2 Zone Fire Panel

FINISH OPTIONS



EN54-2

EN54-4

CPR

EU  
MADE

**MAG2P - WHITE**

BAT7 - 12V 7AH BATTERY  
MAGBAR2/4 - REPLACEMENT LOCK BARREL SET

Materials	ABS
Mounting	Surface
Supply Voltage (V AC)	230
Power Availability (A)	0.7
Standby Supply	Up to 12V 7Ah (Battery Calculation Required)
Mains Fail Consumption (mA)	50
Wiring Type	4-Wire Conventional
Zones	2 Detection Zones 2 Sounder Circuits
Dimensions (mm)	340 x 290 x 100

- Active end of line monitoring and head removal
- Unlimited number of call points per zone
- Integral sound alarm button
- Class change facility
- Enable/disable security key
- One man walk test facility
- Volt free fire change over relay
- Volt free fault change over relay
- Individual sounder circuit fault ID

4 Zone Fire Panel

FINISH OPTIONS



EN54-2

EN54-4

CPR

EU  
MADE

**MAG4 - WHITE**

BAT7 - 12V 7AH BATTERY  
MAGBAR2/4 - REPLACEMENT LOCK BARREL SET

Materials	Steel
Mounting	Surface
Supply Voltage (V AC)	230
Power Availability (A)	0.7
Standby Supply	Up to 12V 7Ah (Battery Calculation Required)
Mains Fail Consumption (mA)	50
Wiring Type	4-Wire Conventional
Zones	4 Detection Zones 2 Sounder Circuits
Dimensions (mm)	320 x 220 x 80

- Active end of line monitoring and head removal
- Unlimited number of call points per zone
- Integral sound alarm button
- Class change' facility
- Enable/disable security key
- One man walk test facility
- Volt free fire change over relay
- Volt free fault change over relay
- Individual sounder circuit fault ID

4 Zone Fire Panel

FINISH OPTIONS



EN54-2

EN54-4

CPR

EU  
MADE

**MAG4P - WHITE**

BAT7 - 12V 7AH BATTERY  
MAGBAR2/4 - REPLACEMENT LOCK BARREL SET

Materials	ABS
Mounting	Surface
Supply Voltage (V AC)	230
Power Availability (A)	0.7
Standby Supply	Up to 12V 7Ah (Battery Calculation Required)
Mains Fail Consumption (mA)	50
Wiring Type	4-Wire Conventional
Zones	4 Detection Zones 2 Sounder Circuits
Dimensions (mm)	340 x 290 x 100

- Active end of line monitoring and head removal
- Unlimited number of call points per zone
- Integral sound alarm button
- Class change' facility
- Enable/disable security key
- One man walk test facility
- Volt free fire change over relay
- Volt free fault change over relay
- Individual sounder circuit fault ID

8 Zone (Exp To 16 Zone)

FINISH OPTIONS



EN54-2

EN54-4

CPR

EU MADE

MAG816 - WHITE

BAT18 - 12V 17AH BATTERY  
MAGBAR816 - REPLACEMENT LOCK BARREL SET

Materials	ABS
Mounting	Surface or Flush
Supply Voltage (V AC)	230
Power Availability (A)	0.7
Standby Supply	Up to 12V 17Ah (Battery Calculation Required)
Mains Fail Consumption (mA)	130 (1 zone expander) 260 (4 zone expanders)
Wiring Type	4-Wire Conventional
Zones	8 Detection Zones (expandable to 16) 4 Global Sounder Circuits
Dimensions (mm)	456 x 350 x 125

- Active end of line monitoring and head removal
- Unlimited number of call points per zone
- Integral sound alarm button
- Class change facility
- Enable/disable security key
- One man walk test facility
- Volt free fire change over relay
- Volt free fault change over relay
- Individual sounder circuit fault ID

Flush Mount Kit for MAG816

- Used to semi flush a MAG816



MAGFMK

4 Zone Sounder Expander Card for MAG816

- Expands sounder circuits by 4



MAGSC-816



8 Zone Relay Module for MAG816

- Expander module providing 8 relay switches for zone activation
- Separate zone (up to 8) activation in fire condition
- N/O & N/C options



MAGR



4 Zone Expander Card for MAG816

- Expands detection circuits by 4



MAGZC-816



Replacement Keybarrel set for MAG2/2P



MAGBAR2/4

5 Zone Modules for MAG2/4/816

- For use with MAG2, MAG4 or MAG816 detector circuits



MAGEOL

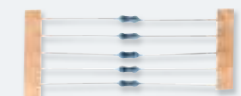
Replacement Keybarrel set for MAG816



MAGBAR816

5 Sounder Zone Modules for MAG2/4/816

- For use with MAG2, MAG4 or MAG816 sounder circuits



MAGEOL-S

**Fixed Temperature Heat Detector**



FINISH OPTIONS



**FHD2** - WHITE

SD-DB - DEEP BASE

Materials	ABS
Operating Voltage (V DC)	9 - 30
Alarm Current @ 24V (mA)	49
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Class	A2/S
Test Facility	Heat Source

- Fixed heat detector
- Detects temperatures over 60°C, class A2/S
- Digital processing algorithm
- Low profile design
- LED indication with 360° visibility
- Sensor status indication on every 8 seconds

EN54-5

CPR

EU MADE

**Rate of Rise Heat Detector**



FINISH OPTIONS



**RHD2** - WHITE

SD-DB - DEEP BASE

Materials	ABS
Operating Voltage (V DC)	9 - 30
Alarm Current @ 24V (mA)	49
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Class	A1R
Test Facility	Heat Source

- Detects above 58°C or rapid change in temp
- Digital processing algorithm
- Low profile design
- LED indication with 360° visibility
- Sensor status indication on every 8 seconds

EN54-5

CPR

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**Fixed Temperature Heat Detector with 12V Relay Base**



FINISH OPTIONS



**FHD212** - WHITE

SD-DB - DEEP BASE

Materials	ABS
Operating Voltage (V DC)	9 - 30
Alarm Current @ 12V (mA)	29
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Class	A2/S
Test Facility	Heat Source

- Fixed heat detector
- Detects temperatures over 60°C, class A2/S
- Digital processing algorithm
- Low profile design
- LED indication with 360° visibility
- Sensor status indication on every 8 seconds
- Volt free fire change over relay

EN54-5

CPR

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**Rate of Rise Heat Detector with 12V Relay Base**



FINISH OPTIONS



**RHD212** - WHITE

SD-DB - DEEP BASE

Materials	ABS
Operating Voltage (V DC)	9 - 30
Alarm Current @ 12V (mA)	33
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Class	A1R
Test Facility	Heat Source

- Detects above 58°C or rapid change in temp
- Digital processing algorithm
- Low profile design
- LED indication with 360° visibility
- Sensor status indication on every 8 seconds
- Volt free fire change over relay

EN54-5

CPR

EU MADE

### Optical Smoke Detector



FINISH OPTIONS



**PSD2** - WHITE

SD-DB - DEEP BASE

Materials	ABS
Operating Voltage (V DC)	9 - 30
Alarm Current @ 24V (mA)	49
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Test Facility	Simulated Smoke
Wiring Type	4-Wire Conventional

- Auto temperature compensation
- LED indication with 360° visibility
- Digital processing algorithm
- Sensor status indication on every 8 seconds
- Low profile design
- Rubber gasket ring for increased protection

EN54-7

CPR

EU MADE

### Combined Optical Smoke & Fixed Heat Detector



FINISH OPTIONS



**CSD2** - WHITE

SD-DB - DEEP BASE

Materials	ABS
Operating Voltage (V DC)	9 - 30
Alarm Current @ 24V (mA)	49
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Class	A1R
Test Facility	Simulated Smoke/ Heat

- Combined optical smoke & rate of rise detector
- LED indication with 360° visibility
- Auto compensation
- Sensor status indication on every 8 seconds
- Digital processing algorithm
- Rubber gasket ring for increased protection

EN54-5

EN54-7

CPR

EU MADE

### Optical Smoke Detector with 12V Relay Base



FINISH OPTIONS



**PSD212** - WHITE

SD-DB - DEEP BASE

Materials	ABS
Operating Voltage (V DC)	9 - 30
Alarm Current @ 12V (mA)	29
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Test Facility	Simulated Smoke
Wiring Type	12V Conventional

- Auto temperature compensation
- LED indication with 360° visibility
- Digital processing algorithm
- Sensor status indication on every 8 seconds
- Rubber gasket ring for increased protection
- Low profile design
- Volt free fire change over relay

EN54-7

CPR

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### Combined Optical Smoke & Fixed Heat Detector with 12V Relay Base



FINISH OPTIONS



**CSD212** - WHITE

SD-DB - DEEP BASE

Materials	ABS
Operating Voltage (V DC)	9 - 30
Alarm Current @ 12V (mA)	33
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Class	A1R
Test Facility	Simulated Smoke/ Heat

- Combined optical smoke & rate of rise detector
- LED indication with 360° visibility
- Auto compensation
- Sensor status indication on every 8 seconds
- Digital processing algorithm
- Rubber gasket ring for increased protection
- Volt free fire change over relay

EN54-5

EN54-7

CPR

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**Banshee Sounder**



EN54-3



FINISH OPTIONS



**BA-2R - RED**

**BA-2W - WHITE**

BA-DB - RED DEEP BASE

Materials	Flame retardant ABS
Operating Voltage (V DC)	9 - 30
Current Consumption (mA)	3 - 30
Cable Size (mm <sup>2</sup> )	0.28 - 2.5
Number of Available Tones	32
Volume Levels	3; Low (-20dBA) , Medium (-10dBA) & High

**Sounder and Strobe**



EN54-3



FINISH OPTIONS



**CB-1R - RED**

Materials	ABS
Operating Voltage (V DC)	9 - 30
Current Consumption (Sounder)(mA)	3 - 39
Cable Size (mm <sup>2</sup> )	0.28 - 2.5
Number of Available Tones	32
Volume Levels	3; Low (-20dBA) , Medium (-10dBA) & High

**Water Resistant Combined Sounder Strobe**



EN54-3



FINISH OPTIONS



**CB-1RIP66 - RED**

Materials	ABS
Operating Voltage (V DC)	9 - 30
Current Consumption (Sounder)(mA)	3 - 39
Cable Size (mm <sup>2</sup> )	0.28 - 2.5
Number of Available Tones	32
Volume Levels	3; Low (-20dBA) , Medium (-10dBA) & High

**Detector Deep Base**



FINISH OPTIONS



**SD-DB - WHITE**

Materials	ABS
Dimensions (mm)	ø102 x 28

**Base for sounder BA-2R, BA-2W and CB-1R to make IP Rated**



FINISH OPTIONS



**BA-DB - RED**

Materials	Flame retardant ABS
Dimensions (mm)	ø92 x 37

**Wall mount bracket for deep base (BA-DB)**



FINISH OPTIONS



**BA-DB-WMB - BLACK**

Materials	Flame retardant ABS
Dimensions (mm)	122 x 20



### Bedhead Sounder

FINISH OPTIONS



**MAGBSR** - RED  
**MAGBSW** - WHITE



Materials	Fire Rated ABS
Mounting	Surface or Flush (Surface Back Box Not Supplied)
Operating Voltage (V DC)	20 - 28
Current Consumption (mA)	3.5 - 6
Maximum Cable Size (mm <sup>2</sup> )	2.5
Number of Available Tones	3

- Contemporary design
- Suitable for conventional 4-wire sounder circuits

EN54-3



### Detector Base Sounder

FINISH OPTIONS



**DBS-2** - WHITE  
**DBS-LIDW** - LID FOR DBS-1



Materials	ABS
Operating Voltage (V DC)	12 & 24
Current Consumption (mA)	12
Cable Size (mm <sup>2</sup> )	0.5 - 2.5
Number of Available Tones	4
Sound Output @ 1m (db)	93

- Suitable for conventional 4-wire sounder circuits

EN54-3



EU  
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### Sounder

FINISH OPTIONS



**MAGSRS** - RED  
**MAGSWS** - WHITE



Materials	Fire Rated ABS
Operating Voltage (V DC)	20 - 28
Current Consumption (mA)	3.5 - 6
Maximum Cable Size (mm <sup>2</sup> )	2.5
Number of Available Tones	3
Sound Output @ 1m (High) (db)	96

- Aesthetically Pleasing Design
- 4 x 20mm knockouts for surface & glanded entry

EN54-3



## Internal Fire Bell

FINISH OPTIONS



EN54-3

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**IFB - RED**

Materials	Aluminium
Operating Voltage (V DC)	20.4 - 27.6
Current Consumption (mA)	12
Cable Size (mm <sup>2</sup> )	1.0 (Minimum)
Sound Output @ 1m (db)	96
Dimensions (mm)	ø150 x 64

- 6" diameter
- Mechanical bell



Resettable Call Point

FINISH OPTIONS



SCP2R-CVR - PACK OF 5 COVERS



SCP2RK - PACK OF 5 KEYS

SCP2R - RED

Materials	ABS
Mounting	Surface or Flush
Operating Voltage (V DC)	9 - 30
Consumption in Fire Mode (mA)	38
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Type of the frangible element	A
Wiring Type	4-Wire Conventional
Dimensions (mm)	90 x 57 x 90

- Complete with surface back box
- Call point cover available - SCP2R-CVR

IP67 Rated Manual Call Point

FINISH OPTIONS



SCP2R-CVR - PACK OF 5 COVERS



SCP2RK - PACK OF 5 KEYS

SCP2RIP67 - RED

Materials	ABS
Mounting	Surface Only
Operating Voltage (V DC)	9 - 30
Consumption in Fire Mode (mA)	38
Cable Size (mm <sup>2</sup> )	0.4 - 2.0
Type of the frangible element	A
Wiring Type	4-Wire Conventional
Dimensions (mm)	114 x 114 x 80

- Resettable call point
- Call point cover available - SCP2R-CVR

EN54-11

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EN54-11

CPR

EU  
MADE

IP67

50m Beam Detector expandable up to 120m

FINISH OPTIONS



**BD1 - WHITE**

BD1LRK - BD1 REFLECTIVE LONG RANGE KIT

Materials	Polycarbonate UL94-V0
Operating Voltage (V DC)	14 - 36
Power Consumption (mA)	<33
Cable Size (mm <sup>2</sup> )	0.5 to 1.5
Available Operations	Laser Assisted, Auto-alignment, Manual Alignment
Beam Detection Range (m)	0 to 50, 0 to 120 (With BD1LRK)
Beam Path Clearance (m)	1 in diameter from Detector and Reflector
Wiring Type	2-Wire Conventional, 4-Wire Conventional, Analogue Addressable
Dimensions (mm)	181 x 130 x 134

- Up to 50m range
- Expandable to 120m with the BD1LRK
- Auto Align automatic beam alignment
- Building movement Compensation

12V - 3.2Ah SLA Battery

FINISH OPTIONS



**BAT32 - BLUE**



Materials	ABS
Operating Voltage (V DC)	12
Capacity (Ah)	3.2
Connections	2 x F1
Dimensions (mm)	97 x 43 x 58

12V - 7.0Ah SLA Battery

FINISH OPTIONS



**BAT7 - BLUE**



Materials	ABS
Operating Voltage (V DC)	12
Capacity (Ah)	7
Connections	2 x F1
Dimensions (mm)	151 x 65 x 99

12V - 17.0Ah SLA Battery

FINISH OPTIONS



**BAT18 - BLUE**



Materials	ABS
Operating Voltage (V DC)	12
Capacity (Ah)	18
Connections	2 x F3
Dimensions (mm)	181 x 77 x 167

SLA

SLA

SLA

### Auxiliary Isolation Switch

FINISH OPTIONS



**MAGAUXISORP** - RED  
**MAGAUXISOWP** - WHITE



MAGISOPFUSE - SPARE FUSES



MAGISORPK - SPARE KEY

Materials	ABS
Mounting	Surface or Flush (Surface Back Box Supplied)
Operating Voltage (V DC)	24
Maximum Cable Size (mm <sup>2</sup> )	2.5
Relay Types	Double Pole Double Throw (DPDT)
Output Relay Rating	240V AC @ 8Amps each
Power Indicator	LED On
Switch Type	Key
Dimensions (mm)	86 x 86

- Suitable for mains switching up to 8 amp
- Safety for maintenance & protection against tamper
- External trigger option
- Programmable internal buzzer for activation
- Clear operation LED indication

### Fire Isolation Switch

FINISH OPTIONS



**MAGISORP** - RED  
**MAGISOWP** - WHITE



MAGISOPFUSE - SPARE FUSES



MAGISORPK - SPARE KEY

Materials	ABS
Mounting	Surface or Flush (Surface Back Box Supplied)
Supply Voltage (V AC)	240
Maximum Cable Size (mm <sup>2</sup> )	2.5
Output Relay Rating	240V AC @ 6Amps
Switching Type	Double Pole
Switch Type	Key
Power Indicator	LED On
Dimensions (mm)	86.5 x 86.5

- Complies with BS5839 Part1
- Isolates the mains voltage supply to the fire system
- Safety for maintenance & protection against tamper
- Both the live and neutral supply are switched

24V DC Door Holder

FINISH OPTIONS



DR916-24 - WHITE

EN1155

Materials	Fire Resistant ABS
Operating Voltage (V DC)	24
Maximum Current Consumption	50mA
Maximum Cable Size (mm <sup>2</sup> )	2.5
Maximum Holding Force (N)	200
Dimensions (mm)	95 x 87 x 46 (Door Retainer)

- Zero residual force

Spare Keeper Plate

FINISH OPTIONS



DR916-KP - WHITE

Materials	ABS
Dimensions (mm)	54 x 54 x 42

- For use with DR916-24 and DR916-240

240V AC Door Holder

FINISH OPTIONS



DR916-240 - WHITE

EN1155

Materials	Fire Resistant ABS
Supply Voltage (V AC)	240
Maximum Current Consumption	12mA
Maximum Cable Size (mm <sup>2</sup> )	2.5
Maximum Holding Force (N)	200
Dimensions (mm)	95 x 87 x 46 (Door Retainer)

- Zero residual force

Floor Mounting Bracket

FINISH OPTIONS



DR916-FMB - WHITE

Materials	Steel
Dimensions (mm)	110 x 99 x 50

- For use with DR916-24 and DR916-240

**24V 1 Amp Boxed Power supply**

FINISH OPTIONS



**BPS-1 - WHITE**



Materials	Mild Steel
Supply Voltage (V AC)	230
Number of Outputs	2
Rated Output (DC)	27.6 Regulated @ 1 Amp
Battery Backup	Yes
Batteries Required	2 x 12V (up to 7Ah)

- LED Indication for mains status, output fault, battery fault, charger fault
- Optional battery backup
- Batteries not included

**24V 5 Amp Boxed Power supply**

FINISH OPTIONS



**BPS-5 - WHITE**



Materials	Mild Steel
Supply Voltage (V AC)	230
Number of Outputs	2
Rated Output (DC)	27.6 Regulated @ 5 Amps
Battery Backup	Yes
Batteries Required	2 x 12V (up to 7Ah)

- LED Indication for mains status, output fault, battery fault, charger fault
- Optional battery backup
- Batteries not included

**24V 2 Amp Boxed Power supply**

FINISH OPTIONS



**BPS-2 - WHITE**



Materials	Mild Steel
Supply Voltage (V AC)	230
Number of Outputs	2
Rated Output (DC)	27.6 Regulated @ 2 Amps
Battery Backup	Yes
Batteries Required	2 x 12V (up to 7Ah)

- LED Indication for mains status, output fault, battery fault, charger fault
- Optional battery backup
- Batteries not included

**EN54-4 2A PSU**

FINISH OPTIONS



**BPS2EN - WHITE**



Materials	Steel
Supply Voltage (V AC)	93 - 264
Number of Outputs	1
Rated Output (DC)	27.6 @ 2A
Battery Backup	Yes
Batteries Required	2 x 12V (up to 7Ah)

- Certified to EN54-4
- LED Indication for mains status, output fault, battery fault, charger fault
- Optional battery backup
- Batteries not included



**EN54-4 5A PSU**

FINISH OPTIONS



**BPS5EN** - WHITE



Materials	Steel
Supply Voltage (V AC)	93 - 264
Number of Outputs	1
Rated Output (DC)	27.6 @ 5A
Battery Backup	Yes
Batteries Required	2 x 12V (up to 7Ah)

- Certified to EN54-4
- LED indication for mains status, output fault, battery fault, charger fault
- Optional battery backup
- Batteries not included

EN54-4

CPR

**24V 1A Door Retainer PSU**

FINISH OPTIONS



**DRPS1** - WHITE



Materials	Powder Coated Steel
Supply Voltage (V AC)	230
Number of Outputs	4
Rated Output (DC)	24V to 26V @ 1 Amp
Battery Backup	No
Dimensions (mm)	120 x 173 x 80

- Designed for use with 24V DC Door Retainers
- Outputs can be changed between fail-safe & fail-secure
- LED indicators for O/P, Fault & Mains

UK  
MADE

**Fire Safety Log Book**



**MAGLB**

**DOCBOX** - A4 DOCUMENT BOX

Materials	Cover 300 gsm Silk, Text Uncoated 100 gsm
Dimensions (mm)	297 x 210

- Ensure system records are maintained in accordance with BS5839-1
- Contains test procedures, frequencies of service & maintenance requirements
- Clear data tables for evidence of system services, tests and inspections





## Emergency lighting solutions

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Providing contractors and installers with a comprehensive, contemporary array of products, including a Self-Test range. All independently tested to comply with the latest industry standards and regulations.

# EMERGENCY LIGHTING

114	SWITCHABLE SELF-TEST BULKHEADS
116	SWITCHABLE SELF-TEST DOWNLIGHTS
118	SWITCHABLE SELF-TEST TWIN SPOTS
120	SWITCHABLE SELF-TEST EXIT SIGNS
123	SWITCHABLE SELF-TEST EXIT BOXES
124	CIRCULAR BULKHEADS
127	SELF TEST DOWNLIGHTS
128	EMERGENCY BULKHEADS
129	BULKHEAD ACCESSORIES
130	TEST SWITCHES
131	BATTERIES

### 5W LED IP65 Maintained Emergency Bulkhead

FINISH OPTIONS



**D1011SWH** - WHITE

D001S - REPLACEMENT BATTERY  
EMBULK2FLUSH - FLUSH MOUNTING KIT  
EMBULKLGD - REPLACEMENT ADHESIVE LEGEND PACK

Materials	Polycarbonate Housing
Mounting	Ceiling or Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	5
Colour Temperature (K)	5500
Mains Luminous Flux (Lm)	208

- Maintained & non-maintained operation
- Switchable self-test operation
- 28 x SMD 2835 LEDs
- Charge and discharge protection
- Green LED charging indicator
- All legends included
- 3.2V 1800mAh LiFePO4 Battery
- Flush mount kit available - EMBULK2FLUSH



### 3W LED IP65 Maintained Emergency Bulkhead

FINISH OPTIONS



**D1000SWH** - WHITE

D001S - REPLACEMENT BATTERY

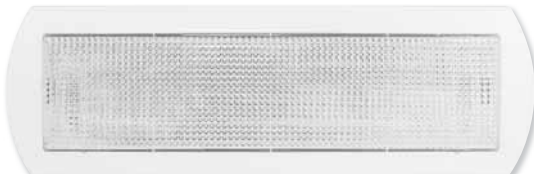
Materials	Polycarbonate Housing
Mounting	Ceiling or Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	3
Colour Temperature (K)	5500
Mains Luminous Flux (Lm)	151

- Hinged lid to assist installation
- Maintained & non-maintained operation
- Switchable self-test operation
- 12 x SMD 2835 LEDs
- Charge and discharge protection
- Green LED indicator
- Legend included
- 3.2V 1800mAh LiFePO4 battery



### 4W LED Maintained Emergency Flush Bulkhead

FINISH OPTIONS



**D2000SWH** - WHITE

D001S - REPLACEMENT BATTERY

Materials	Polycarbonate Housing
Mounting	Recessed
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	4
Colour Temperature (K)	5500
Mains Luminous Flux (Lm)	131

- Maintained & non-maintained operation
- Switchable self-test operation
- 30 x SMD 2835 LEDs
- Charge and discharge protection
- Green LED charging indicator
- 3.2V 1900mAh LiFePO4 Battery
- BS EN 60598-2-22 standards



### 3W LED IP65 Maintained Emergency Bulkhead

FINISH OPTIONS



**D1010SWH** - WHITE

D001S - REPLACEMENT BATTERY  
EMBULK2FLUSH - FLUSH MOUNTING KIT  
EMBULKLGD - REPLACEMENT ADHESIVE LEGEND PACK

Materials	Polycarbonate Housing
Mounting	Ceiling or Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	3
Colour Temperature (K)	5500
Mains Luminous Flux (Lm)	120

- Maintained & non-maintained operation
- Switchable self-test operation
- 8 x SMD 2835 LEDs
- Charge and discharge protection
- Green LED charging indicator
- All legends included
- 3.2V 1800mAh LiFePO4 battery



### 3W LED Emergency Corridor Lens Downlight

FINISH OPTIONS



**D2401SWH** - WHITE

D001ES - REPLACEMENT BATTERY

Materials	Polycarbonate Lamp Head & Housing
Mounting	Recessed
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	3
Colour Temperature (K)	5500
Emergency Luminous Flux (Lm)	105

- Maintained & non-maintained operation
- Switchable self-test operation
- High power 3W LED
- High power 3W LED
- Charge and discharge protection
- Green LED charging indicator
- Corridor lens
- Supplied with white aluminium bezel

LiFePO<sub>4</sub>

SWITCHABLE SELF TEST

### 5W LED Emergency Corridor Lens Downlight

FINISH OPTIONS



**D2411SWH** - WHITE

D002E - REPLACEMENT BATTERY

Materials	Polycarbonate Lamp Head & Housing
Mounting	Recessed
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	4.3
Colour Temperature (K)	5500
Emergency Luminous Flux (Lm)	214

- Non-maintained operation
- Switchable self-test operation
- High power 5W LED
- Charge and discharge protection
- Green LED charging indicator
- Corridor lens
- Supplied with white aluminium bezel
- 3.2V 6000mAh LiFePO<sub>4</sub> Battery

LiFePO<sub>4</sub>

SWITCHABLE SELF TEST

### 3W LED Emergency Open Lens Downlight

FINISH OPTIONS



**D2402SMF** - WHITE

D001ES - REPLACEMENT BATTERY

Materials	Aluminium Bezel & Polycarbonate Plastic Housing
Mounting	Recessed
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	3
Colour Temperature (K)	5500
Emergency Luminous Flux (Lm)	138

- Non-maintained operation
- Switchable self-test operation
- High power 3W LED
- Charge and discharge protection
- Green LED charging indicator
- Open lens
- Supplied with white, silver & black aluminium bezels
- 3.2V 1800mAh LiFePO<sub>4</sub> battery

LiFePO<sub>4</sub>

SWITCHABLE SELF TEST

### 5W LED Emergency Open Lens Downlight

FINISH OPTIONS



**D2413SWH** - WHITE

D002E - REPLACEMENT BATTERY

Materials	Polycarbonate Lamp Head & Housing
Mounting	Recessed
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	4.3
Colour Temperature (K)	5500
Emergency Luminous Flux (Lm)	263

- Non-maintained operation
- Switchable self-test operation
- High power 5W LED
- Charge and discharge protection
- Green LED charging indicator
- Open lens
- Supplied with white aluminium bezel
- 3.2V 6000mAh LiFePO<sub>4</sub> Battery

LiFePO<sub>4</sub>

SWITCHABLE SELF TEST

LED IP40 Non Maintained Emergency Twin Spot

FINISH OPTIONS



LiFePO4

SWITCHABLE SELF-TEST

D1101SBK - BLACK  
D1101SWH - WHITE

D002 - REPLACEMENT BATTERY

Materials	Polycarbonate Housing & Heads
Mounting	Ceiling or Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	6
Colour Temperature (K)	5500
Emergency Luminous Flux (Lm)	309
Battery Duration (Hours)	3
Dimensions (mm)	301 x 280 x 90

- Non-maintained operation
- Switchable self-test operation
- 2 Heads: 6 x SMD 2835 LED lamps
- Charge and discharge protection
- Green LED charging indicator
- 3.2V 6000mAh LiFePO4 battery
- BS EN 60598-2-22 standards

LED IP65 Non Maintained Emergency Twin Spot

FINISH OPTIONS



IP65

LiFePO4

SWITCHABLE SELF-TEST

D1102SWH - WHITE

D002 - REPLACEMENT BATTERY

Materials	Polycarbonate Housing & Heads
Mounting	Ceiling or Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	9
Colour Temperature (K)	5500
Emergency Luminous Flux (Lm)	535
Battery Duration (Hours)	3
Dimensions (mm)	301 x 280 x 90

- Non-maintained operation
- Switchable self-test operation
- 2 Heads: 15 x SMD 2835 LED lamps
- Charge and discharge protection
- Green LED charging indicator
- 3.2V 6000mAh LiFePO4 battery
- BS EN 60598-2-22 standards

### 3W LED Maintained Emergency Sign

FINISH OPTIONS



LiFePO4

SWITCHABLE SELF-TEST

**D130SAWH** - WHITE - ALL LEGENDS

D001S - REPLACEMENT BATTERY

Materials	Polycarbonate Frame & Double Sided PVC Sign
Mounting	Ceiling or Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	3
Colour Temperature (K)	5500
Viewing Distance (m)	24
Battery Duration (Hours)	3
Dimensions (mm)	310 x 225 x 35

- Maintained & non-maintained operation
- Switchable self-test operation
- 16 x SMD 2835 LEDs
- Charge and discharge protection
- Green LED charging indicator
- All legends included
- 3.2V 1800mAh LiFePO4 battery
- BS EN 60598-2-22 standards

For further technical information please view our datasheets online.

### 3W LED Maintained Emergency Hanging Exit Sign

FINISH OPTIONS



LiFePO4

SWITCHABLE SELF-TEST

**D330SAWH** - WHITE - ALL LEGENDS

D001PS - REPLACEMENT BATTERY

Materials	Polycarbonate Frame & Double Sided PVC Legend
Mounting	Ceiling
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	3
Colour Temperature (K)	5500
Emergency Luminous Flux (Lm)	44
Battery Duration (Hours)	3
Dimensions (mm)	305 x 225 x 45

- Maintained & non-maintained operation
- Switchable self-test operation
- 16 x SMD 2835 LEDs
- Charge and discharge protection
- Green LED charging indicator
- All legends included
- Legend dimensions - 190x 300mm
- Legend adjustable up to 650mm
- 3.2V 1800mAh LiFePO4 battery

For further technical information please view our datasheets online.

### 3W LED Maintained Emergency Slim Exit Sign

FINISH OPTIONS



LiFePO4

SWITCHABLE SELF-TEST

**D121SAWH** - WHITE - ALL LEGENDS

D001S - REPLACEMENT BATTERY

Materials	Polycarbonate Frame, and PVC Legends
Mounting	Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	3
Colour Temperature (K)	6000
Viewing Distance (m)	30
Battery Duration (Hours)	3
Dimensions (mm)	320 x 185 x 26

- Maintained & non-maintained operation
- Switchable self-test operation
- 20 x SMD 3014 LEDs & 4 x SMD 2835 LEDs
- Charge and discharge protection
- Green LED charging indicator
- All legends supplied
- Legend dimensions – 320 x 185 x 26mm
- 3.2V 1800mAh LiFePO4 battery
- BS EN 60598-2-22 standards

### 3W LED Maintained Emergency Exit Sign

FINISH OPTIONS



EMEXBOXLGDD - Exit Box Legend Down  
EMEXBOXLGLD - Exit Box Legend Left  
EMEXBOXLGDR - Exit Box Legend Right  
EMEXBOXLGDU - Exit Box Legend Up



LiFePO4

SWITCHABLE SELF-TEST

**D120SDBK** - BLACK - DOWN  
**D120SLBK** - BLACK - LEFT  
**D120SRBK** - BLACK - RIGHT  
**D120SUBK** - BLACK - UP

**D120SDWH** - WHITE - DOWN  
**D120SLWH** - WHITE - LEFT  
**D120SRWH** - WHITE - RIGHT  
**D120SUWH** - WHITE - UP

D001S - REPLACEMENT BATTERY  
EMEXBOXLGDD - REPLACEMENT DOWN LEGEND

Materials	Steel Housing, Polycarbonate Legend
Mounting	Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	4
Colour Temperature (K)	5500
Viewing Distance (m)	25
Battery Duration (Hours)	3
Dimensions (mm)	390 x 190 x 60

- Maintained & non-maintained operation
- Switchable self-test operation
- 20 x SMD 2835 LEDs
- Charge and discharge protection
- Green LED charging indicator
- Down legend included
- 3.2V 1800mAh LiFePO4 battery
- BS EN 60598-2-22 standards

### 14W LED Emergency Circular Bulkhead

FINISH OPTIONS



**D1020WH** - WHITE

D001 - REPLACEMENT BATTERY

Materials	Polycarbonate Housing
Mounting	Ceiling or Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	15
Colour Temperature (K)	3000/4000/6000
Mains Luminous Flux (Lm)	1493 (4000k)

- Maintained & non-maintained operation
- Charge and discharge protection
- Green LED charging indicator
- 3.2V 1500 mAh LiFePO4 battery
- 3 x 20mm Knockouts
- Switchable CCT
- BS EN 60598-2-22 standards

LiFePO4



IP65

### 14W LED Mains Only Circular Bulkhead

FINISH OPTIONS



**D4020WH** - WHITE

Materials	Polycarbonate Housing
Mounting	Ceiling or Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	15
Colour Temperature (K)	3000/4000/6000
Mains Luminous Flux (Lm)	1493 (4000k)

- 3 x 20mm Knockouts
- Switchable CCT
- BS EN 60598-1



IP65

### 14W LED Emergency Circular Bulkhead with Microwave Sensor

FINISH OPTIONS



**D1620WH** - WHITE

D001 - REPLACEMENT BATTERY

Materials	Polycarbonate Housing
Mounting	Ceiling or Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	15
Colour Temperature (K)	3000/4000/6000
Mains Luminous Flux (Lm)	1493 (4000k)

- Maintained & non-maintained operation
- Charge and discharge protection
- Green LED charging indicator
- 3.2V 1500 mAh LiFePO4 battery
- 3 x 20mm Knockouts
- Switchable CCT
- Built in microwave sensor
- BS EN 60598-2-22 standards

LiFePO4



IP65

### 14W LED Mains Only Circular Bulkhead with Microwave Sensor

FINISH OPTIONS



**D4620WH** - WHITE

Materials	Polycarbonate Housing
Mounting	Ceiling or Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	15
Colour Temperature (K)	3000/4000/6000
Mains Luminous Flux (Lm)	1493 (4000k)

- 3 x 20mm Knockouts
- Switchable CCT
- Built in microwave sensor
- BS EN 60598-1



IP65

### 3W LED Maintained Emergency Exit Sign

FINISH OPTIONS



- EMEXBOXLGDD - Exit Box Legend Down
- EMEXBOXLGDL - Exit Box Legend Left
- EMEXBOXLGDR - Exit Box Legend Right
- EMEXBOXLGDU - Exit Box Legend Up



- D120DBR** - BRASS - DOWN
- D120LBR** - BRASS - LEFT
- D120RBR** - BRASS - RIGHT
- D120UBR** - BRASS - UP

DO01 - REPLACEMENT BATTERY  
EMEXBOXLGDD - REPLACEMENT DOWN LEGEND

Materials	Steel Housing, Polycarbonate Legend
Mounting	Wall
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	4
Colour Temperature (K)	5500
Viewing Distance (m)	25
Battery Duration (Hours)	3
Dimensions (mm)	390 x 190 x 60

- Maintained & non-maintained operation
- 20 x SMD 2835 LEDs
- Charge and discharge protection
- Green LED charging indicator
- Down legend included
- 3.2V 1500mAh LiFePO4 battery
- BS EN 60598-2-22 standards

### 3W LED Emergency Open and Corridor Lens Downlight

FINISH OPTIONS



**D5403WH** - WHITE

DO01 - REPLACEMENT BATTERY  
EMSTSDLFLUSH - FLUSH MOUNTING KIT

Materials	Polycarbonate Housing
Mounting	Ceiling or Wall Mounted - flush kit available
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	3
Colour Temperature (K)	5500
Mains Luminous Flux (Open Lens)(Lm)	138

- Self test facility
- Maintained & non-maintained operation
- High power 3W LED
- Charge and discharge protection
- Green LED charging indicator
- Supplied with open & corridor lens'
- 3.2V 1500mAh LiFePO4 battery
- BS EN 60598-2-22 standards



### Flush Kit

FINISH OPTIONS



**EMSTSDLFLUSH** - WHITE

Materials	Polycarbonate
Dimensions (mm)	220 x 220 x 45
Cutout Dimensions (mm)	175 x 175

- Adhesive legend pack for use with Duceri Downlights



### 3W LED IP65 Maintained Emergency Bulkhead

FINISH OPTIONS



LiFePO4

IP65

D151AWH - WHITE

D001 - REPLACEMENT BATTERY

Materials	Polycarbonate Housing
Mounting	Ceiling
Supply Voltage (V AC)	220 - 240
Power Consumption (W)	3
Colour Temperature (K)	5500
Viewing Distance (m)	28
Battery Duration (Hours)	3
Dimensions (mm)	351 x 182 x 115

- Maintained & non-maintained operation
- 8 x SMD 2835 LEDs
- Charge and discharge protection
- Green LED charging indicator
- All legends included
- Legend Dimensions - 190x 300mm
- 3.2V 1500mAh LiFePO4 Battery
- BS EN 60598-2-22 standards

### Bulkhead Flush Kit

FINISH OPTIONS



EMBULK2FLUSH - WHITE

Materials	Steel
Dimensions (mm)	393 x 155 x 33
Cutout Dimensions (mm)	342 x 105

- Enables fittings to be recessed
- Simple installation to suit many applications

### Emergency Bulkhead Legend



EMBULKLGD

- Adhesive legend pack for use with Duceri bulkheads

**Emergency Light Test Switch**

FINISH OPTIONS



EMTS - WHITE



EMTSK - Emergency Light Test Switch Spare Keys

Materials	Anti-Microbial Urea
Mounting	Surface or Flush (Surface Backbox not Included)
Supply Voltage (V AC)	220 - 240
Output Relay Rating	240V AC @ 16A, 6A Fluorescent, 10A Incandescent
Dimensions (mm)	86 x 86 x 33

- Assists the testing of emergency lighting (BS 5266)
- Key activated, 4 pre-programmed test intervals
- Clear LED indication for duration tests
- Optional audio buzzer alert for duration test
- Spare keys available: EMTSK



**Emergency Light Test Switch with Digital Display**

FINISH OPTIONS



EMTSLCD - WHITE



EMTSK - Emergency Light Test Switch Spare Keys

Materials	Anti-Microbial Urea
Mounting	Surface or Flush (Surface Backbox not Included)
Supply Voltage (V AC)	220 - 240
Output Relay Rating	240V AC @ 16A, 6A Fluorescent, 10A Incandescent
Dimensions (mm)	86 x 86 x 33

- Assists testing of emergency lighting (BS 5266)
- Key activated, 4 pre-programmed test intervals
- Clear LED digital display indication for duration tests
- Optional audio buzzer alert for duration test
- Spare keys available: EMTSK



**3.2V 1500mAh LiFePO4**



D001

**3.2V 1800mAh LiFePO4**



D001PS

**3.2V 1500mAh LiFePO4**



D001E

**3.2V 1800mAh LiFePO4**



D001S

**3.2V 1500mAh LiFePO4**



D001P

**3.2V 6000mAh LiFePO4**



D002

**3.2V 1800mAh LiFePO4**



D001ES

**3.2V 6000mAh LiFePO4**



D002E

3.6V 1500mAh Battery



EMBAT3.6V1500

3.6V 1800mAh Battery



EMBAT3.6V1800SER

3.6V 900mAh Battery



EMBAT3.6V900SER

6V 1800mAh Battery



EMBAT6V1800

3.6V 1500mAh Battery



EMBAT3.6V1500SER

3.6V 3000mAh Battery



EMBAT3.6V3000

4.8V 3500mAh Battery



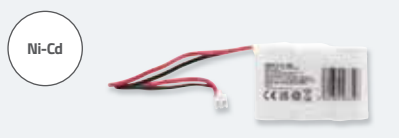
EMBAT4.8V3500SER

9.6V 2200mAh Battery



EMBAT9.6V2200

3.6V 1800mAh Battery



EMBAT3.6V1800

3.6V 900mAh Battery



EMBAT3.6V900

4.8V 600mAh Battery



EMBAT4.8V600





## Disabled refuge & assistance alarms

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A comprehensive range of disabled refuge and assistance alarm products, specifically designed to aid people of impaired mobility to safely evacuate multi-story buildings in emergency situations.

# BEACON

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136	DISABLED REFUGE MASTER STATIONS
138	DISABLED REFUGE ACCESSORIES
140	DISABLED REFUGE TYPE B OUTSTATIONS
142	DISABLED REFUGE TYPE A OUTSTATIONS
144	INTEGRATABLE ASSISTANCE CALL KITS
146	ASSISTANCE CALL MODULES
151	STANDALONE ASSISTANCE ALARM KIT
152	STANDALONE ASSISTANCE ALARMS
154	STANDALONE ASSISTANCE ALARM ACCESSORIES

# DISABLED REFUGE

### Disabled Refuge 2 Line Master Station



FINISH OPTIONS



**B1M2 - BLACK**

Materials	Power Coated Zintec, with a Smoked Perspex Door
Mounting	Surface or Flush (BMSF required for flushing)
Operating Voltage (V AC)	230
Cable Size (mm <sup>2</sup> )	1 - 1.5
Fuses	240V 1A HRC (Mains Fuse), 750mA PTC (Battery Fuse)
Standby Supply	12V 7Ah SLA battery (not supplied)

- 2 line master control panel for EVCS systems
- Fully compliant to BS5839-9:2021
- Integrated assist call & acknowledgement system
- 1.5A EN54-4:A2 PSU (battery not included)
- Full duplex operation
- Wall mount enclosure
- Lockable handset cover
- Expandable from 2 to 8 lines



### Disabled Refuge 8 Line Master Station



FINISH OPTIONS



**B1M8 - BLACK**

Materials	Power Coated Zintec, with a Smoked Perspex Door
Mounting	Surface or Flush (BMSF required for flushing)
Operating Voltage (V AC)	230
Cable Size (mm <sup>2</sup> )	1 - 1.5
Fuses	240V 1A HRC (Mains Fuse), 750mA PTC (Battery Fuse)
Standby Supply	12V 7Ah SLA battery (not supplied)

- 8 line master control panel for EVCS systems
- Fully compliant to BS5839-9:2021
- Integrated assist call & acknowledgement system
- 1.5A EN54-4:A2 PSU (battery not included)
- Full duplex operation
- Wall mount enclosure
- Lockable handset cover



### Disabled Refuge 4 Line Master Station



FINISH OPTIONS



**B1M4 - BLACK**

Materials	Power Coated Zintec, with a Smoked Perspex Door
Mounting	Surface or Flush (BMSF required for flushing)
Operating Voltage (V AC)	230
Cable Size (mm <sup>2</sup> )	1 - 1.5
Fuses	240V 1A HRC (Mains Fuse), 750mA PTC (Battery Fuse)
Standby Supply	12V 7Ah SLA battery (not supplied)

- 4 line master control panel for EVCS systems
- Fully compliant to BS5839-9:2021
- Integrated assist call & acknowledgement system
- 1.5A EN54-4:A2 PSU (battery not included)
- Full duplex operation
- Wall mount enclosure
- Lockable handset cover
- Expandable from 4 to 8 lines



### Disabled Refuge Networkable Station



FINISH OPTIONS



**BMNET - BLACK**

Materials	Power Coated Zintec, with a Smoked Perspex Door
Mounting	Surface or Flush (BMSF required for flushing)
Operating Voltage (V AC)	230
Cable Size (mm <sup>2</sup> )	1 - 1.5
Fuses	240V 1A HRC (Mains Fuse), 750mA PTC (Battery Fuse)
Standby Supply	12V 7Ah SLA battery (not supplied)

- 8 line networkable master control for EVCS systems
- 4.3" full colour touchscreen
- Fully compliant to BS5839-9:2021
- 1.5A EN54-4:A2 PSU (battery not included)
- Full duplex operation
- Lockable handset cover
- Expandable from 2 to 512 lines
- Integrated assist call & acknowledgement system



## Networkable Master Station Expander Panel

FINISH OPTIONS



BMNETEX - BLACK



Materials	Power Coated Zintec
Mounting	Surface
Operating Voltage (V AC)	230
Cable Size (mm <sup>2</sup> )	1 - 1.5
Fuses	240V 1A HRC (Mains Fuse), 750mA PTC (Battery Fuse)
Standby Supply	12V 7Ah SLA battery (not supplied)

- Used to increase a BMNET's networked lines by 8
- 1.5A EN54-4:A2 PSU (battery not included)
- Full duplex operation
- Full status indication
- Integrated assist call & acknowledgement system



## 2 Line Expansion Card for Master Station



BM2EX

Mounting	Mounted inside Master Station
Cable Size (mm <sup>2</sup> )	1 - 1.5
Alarm Zone End of Line (Resistance)(Ω)	10k
Dimensions	60 x 25 x 25

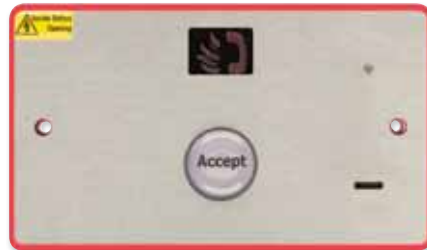
- Used to increase a Beacon master station's lines by 2
- Compatible with B1M2/B1M4

## Remote Alarm Panel for Master Station

FINISH OPTIONS



BRAP - BRUSHED STEEL



Materials	Stainless Steel & Acrylic
Mounting	Surface or Flush (2 Gang Backbox Not Included)
Operating Voltage (V AC)	230
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	Connects to the In-Use Relay located inside the Beacon Master Station
Relay Outputs	Volt free, NO & COM

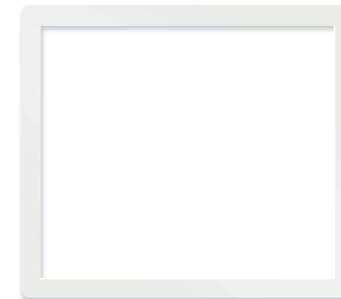
- Compatible with Beacon master stations
- High volume sounder with volume control
- Fits onto standard 2 gang backbox

## Flush Bezel for Master Station

FINISH OPTIONS



BMSF - STAINLESS STEEL



Materials	Stainless Steel
Cutout Dimensions (mm)	Minimum: 352 x 302, Maximum: 362 x 312

- Semi recess bezel for beacon master stations

Disable Refuge  
Type B Outstation

FINISH OPTIONS



B1TB - GREEN



Materials	Polycarbonate
Mounting	Surface or Flush (2 Gang Backbox Not Included)
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	Master Station/Expander Panel Line Cabling; 1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Class	Type B

- Fits onto standard 2 gang backbox
- Hands free full duplex operation
- High volume ringer
- Red status LEDs in call button
- Green flashing call button for location
- Fully monitored to BS5839-9:2021
- Braille enhanced call button



Disabled Refuge Type  
B Outstation IP66

FINISH OPTIONS



BTB6 - GREEN



Materials	Stainless Steel
Mounting	Surface
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Class	Type B

- IP66 cased type B handsfree full duplex operation
- Surface mounted
- Fully monitored to BS5839-9:2021
- Braille enhanced call button
- Standards compliant signage integrated in design
- Red status LED



Disable Refuge  
Type B Outstation

FINISH OPTIONS

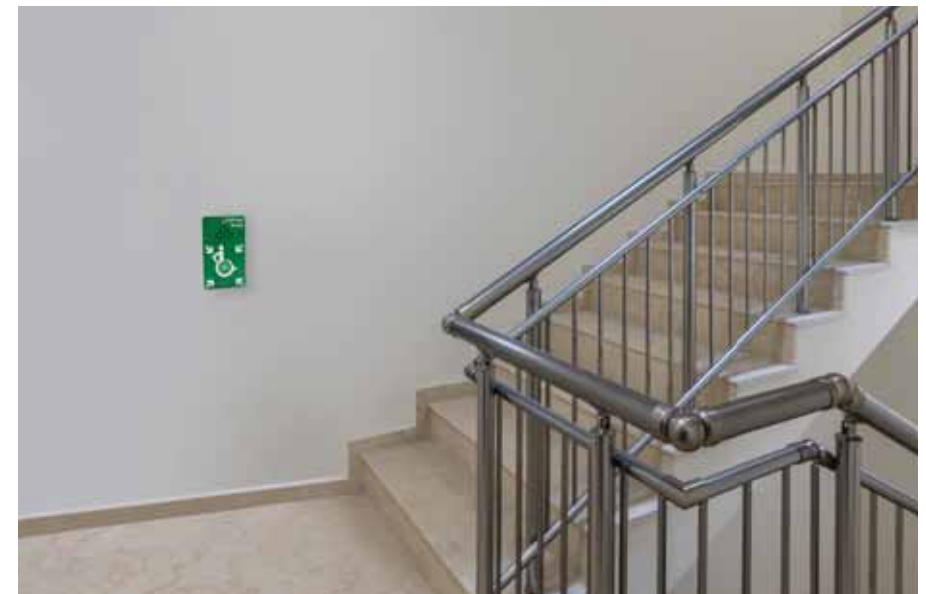


BTB - BRUSHED STEEL



Materials	Stainless Steel & Acrylic
Mounting	Surface or Flush (2 Gang Backbox Not Included)
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	Master Station/Expander Panel Line Cabling; 1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Class	Type B

- Fits onto standard 2 gang backbox
- Hands free full duplex operation
- High volume ringer
- Red status LEDs in call button
- Green flashing call button for location
- Fully monitored to BS5839-9:2021
- Braille enhanced call button



### Disabled Refuge Type A Outstation

FINISH OPTIONS



**BTAS - BRUSHED STEEL**

**BTAR - RED**



Materials	Stainless Steel
Mounting	Surface
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	Master Station/Expander Panel Line Cabling; 1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Class	Type A

- Compact design
- Ruggedised handset
- High volume ringer
- Status LED
- 20mm cable gland knock-out
- Telecoil for hearing impaired users
- Fully compliant to BS5839-9:2021
- Magnetic push catch



**2 WAY  
AUDIO**

### Type A Outstation IP66

FINISH OPTIONS



**BTA66 - RED**



Materials	Texture painted Steel
Mounting	Surface
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Class	Type A

- IP66 cased type A handset
- Fully monitored to BS5839-9:2021
- Red status LED
- Induction loop in handset
- Twist lock or key lock option



**2 WAY  
AUDIO**



**IP66**



Assistance Alarm Kit

FINISH OPTIONS



STAINLESS  
STEEL

**B1AKIT - BRUSHED STEEL**

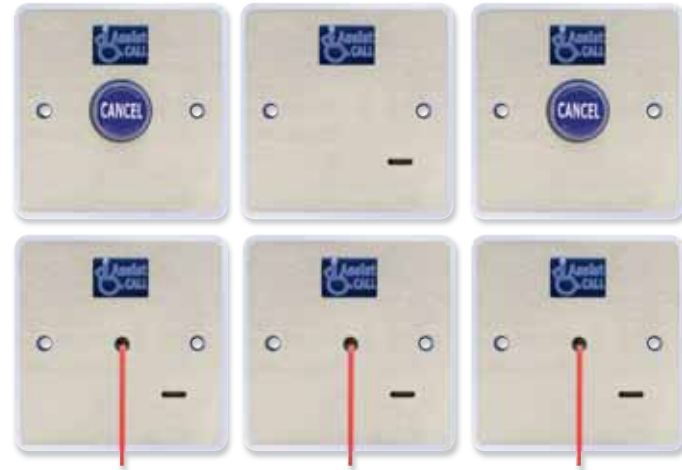
Single Zone Assistance Alarm Kit

B1APCM	Pull Cord Module
B1AM	Alert Module
B1ACM	Pull Cord Cancel Module

- Assistance Alarm WC System
- Compact Design
- BS8300 "Acknowledge"
- High Volume Sounder
- Blue "Halo"
- Flush or Surface Mounting
- Fits onto 1-Gang Back Box (Back Boxes not included)
- Braille Enhanced Cancel
- Stainless Steel

Bedroom Assistance Alarm Kit

FINISH OPTIONS



STAINLESS  
STEEL

**BABEDKIT - BRUSHED STEEL**

Single Zone Assistance Alarm Bedroom Kit

BAPCM	Pull Cord Module
BAM	Alert Module
BACM	Pull Cord Cancel Module

- Assistance Alarm Bedroom Zone Kit
- Compact Design
- Compliant to BS8300
- High Volume Sounder
- Blue Indicator
- Flush or Surface Mounting
- Fits onto 1-Gang Back Box (Back Boxes not included)
- Braille Enhanced Cancel
- Stainless Steel

**Assistance Kit 4 Zone Module**

FINISH OPTIONS



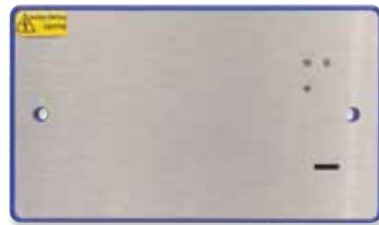
**B1A4ZM - BRUSHED STEEL**

Materials	Stainless Steel
Mounting	Surface or Flush (2 Gang Backbox Not Included)
Operating Voltage (V DC)	12
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)

- Assist call 4 zone controller
- Fits onto standard 2 gang backbox
- Includes buzzer, buzzer volume, active relay
- Requires BA4ZMPS (power supply)
- Fully compliant to BS8300
- Place in staffed area to provide acknowledgement

**Assist Call 4 Zone Module PSU**

FINISH OPTIONS



**B1A4ZMPS - BRUSHED STEEL**

Materials	Stainless Steel
Mounting	Surface or Flush (2 Gang Backbox Not Included)
Operating Voltage (V AC)	230
Cable Size (mm <sup>2</sup> )	0.4 - 2.5 (Max. Return Resistance 10 Ohms)
Number Of Outputs	1
Output Rating	12V DC

- Assist call power supply unit for B1A4ZM
- Fits onto standard 2 gang backbox

**Assistance Kit Call Module IP66**

FINISH OPTIONS



**BACALM66 - BRUSHED STEEL**

Materials	Fascia - Stainless Steel, Backbox - Polycarbonate
Mounting	Surface
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Input Lines	1

- Assist call plate
- IP66 weather resistant
- Compact design
- Blue LED indication
- Compliant to BS8300



**Assistance Kit Cancel Module IP66**

FINISH OPTIONS



**BACM66 - BRUSHED STEEL**

Materials	Fascia - Stainless Steel, Backbox - Polycarbonate
Mounting	Surface
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Input Lines	1

- Assist call cancel plate
- IP66 weather resistant
- Compact design
- Compliant to BS8300



### Assistance Kit Cancel Module

FINISH OPTIONS



**BACM** - BRUSHED STEEL



Materials	Stainless Steel & Acrylic
Mounting	Surface or Flush (backbox not included)
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Input Lines	1

- Assist call cancel plate
- Compact design
- Compliant to BS8300
- Fits onto standard 1 gang backbox

### Assistance Kit Input Module

FINISH OPTIONS



**BAIM** - BRUSHED STEEL



Materials	Stainless Steel & Acrylic
Mounting	Surface or Flush (backbox not included)
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Lines & Relay Input	1 Each

- Assist call switch interface plate
- Compact design
- Provides a facility to connect to a 3rd party switch
- Fits onto standard 1 gang backbox

### Assistance Kit Alert Module

FINISH OPTIONS



**B1AM** - BRUSHED STEEL



Materials	Stainless Steel & Acrylic
Mounting	Surface or Flush (backbox not included)
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Input Lines	1

- Assist call over door plate
- High volume sounder
- Blue indicator
- Fits onto standard 1-gang backbox
- Compact design
- Compliant to BS8300

### Assistance Kit Pull Cord Module

FINISH OPTIONS



**BAPCM** - BRUSHED STEEL



Materials	Stainless Steel & Acrylic
Mounting	Surface or Flush (backbox not included)
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Input Lines	1

- Assist call pull cord
- Compact design
- Compliant to BS8300
- 2.8m Pull Cord
- 2 x 50mm diameter pull rings
- Flush or Surface Mounting
- Fits onto 1 Gang Back Box

Assistance Kit Mushroom Call Module IP56

FINISH OPTIONS



BAMCALM56 - YELLOW

Materials	ABS
Mounting	Surface
Cable Size (mm <sup>2</sup> )	1 - 1.5
Connection Type	1 x 2 Core Radial
Maximum Communication Range (m)	500 (point to point)
Input Lines	1
Line Outputs	Single Line
Maximum Communication Range (m)	500 (point to point)
Dimensions (mm)	100 x 100 x 60

- Assist call mushroom call button
- IP56 weather resistant
- Not to be used with cancel plate
- May be used in conjunction with an over-door plate

For further technical information please view our datasheets online.

Assistance Alarm Kit

FINISH OPTIONS



UDTAKIT - WHITE

UDTAKITG - DARK GREY

UDTAKITSS - BRUSHED STEEL



Flush or surface mount (ABS models come supplied with backboxes)

Single Zone Assistance Alarm Kit

UDTAPCM	Pull Cord Module
UDTAPLBM	Power, Light and Buzzer Module
UDTAREM	Reset Module

- Simple install, 3 part kit - indication module, pull cord module & reset module
- Complete with battery backup facility (battery included)
- Meets Part-M building regulations BS8300
- Antimicrobial properties (ABS only)
- Alarm to raise alert for assistance
- Compact design to suit many interiors
- Supplied with disabled persons sign
- System is expandable to include additional indication and pull cord modules if required

For further technical information please view our datasheets online.

### Light and Buzzer Module

FINISH OPTIONS



- UDTALBM - WHITE
- UDTALBMG - DARK GREY
- UDTALBMSS - BRUSHED STEEL



Materials	Anti-Microbial ABS
Mounting	Surface or Flush (Surface Box Included)
Operating Voltage (V DC)	12
Power Consumption (W)	0.9
Maximum Cable Size (mm <sup>2</sup> )	1.5
Indication	LED illuminates in red when in alarm state

- Light & buzzer module for use with UDTAKIT
- Clear alarm LED alert
- 80db distinctive audible alert



### Pull Cord Module

FINISH OPTIONS



- UDTAPCM - WHITE
- UDTAPCMG - DARK GREY
- UDTAPCMSS - BRUSHED STEEL



Materials	Anti-Microbial ABS
Mounting	Surface or Flush (Surface Box Included)
Operating Voltage (V DC)	12
Power Consumption (W)	0.3
Maximum Cable Size (mm <sup>2</sup> )	1.5
Indication	LED illuminates in red when in alarm state

- Pull cord module for use with UDTAKIT
- Clear alarm LED alert
- Distinctive red 3m pull cord
- Pull cord complete with anti-ligature mechanism
- 2 Pull handles supplied



### Power, Light and Buzzer Module

FINISH OPTIONS



- UDTAPLBM - WHITE
- UDTAPLBMG - DARK GREY
- UDTAPLBMSS - BRUSHED STEEL



Materials	Anti-Microbial ABS
Mounting	Surface or Flush (Surface Box Included)
Operating Voltage (V AC)	100 - 230
Power Consumption (A)	0.2
Battery Backup	Yes
Maximum Cable Size (mm <sup>2</sup> )	1.5

- Replacement power, light & buzzer module for UDTAKIT
- Clear alarm LED alert



### Reset Module

FINISH OPTIONS



- UDTAREM - WHITE
- UDTAREMG - DARK GREY
- UDTAREMSS - BRUSHED STEEL



Materials	Anti-Microbial ABS
Mounting	Surface or Flush (Surface Box Included)
Operating Voltage (V DC)	12
Power Consumption (W)	0.9
Maximum Cable Size (mm <sup>2</sup> )	1.5
Indication	LED illuminates in red when in alarm state

- Reset module for use with UDTAKIT
- Clear alarm LED alert
- Distinctive audible alert
- Reset system function



### Replacement Pull Cord

FINISH OPTIONS



UDTASPC - RED



Pull Cord Length (m)	3
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- Replacement pull cord for UDTA pull cord modules
- Includes: red cord, 2 handles & magnetic coupler

### Surface Mount Box

FINISH OPTIONS



UDTASMBSS - BRUSHED STEEL



STAINLESS  
STEEL

Materials	Stainless Steel (Grade 304)
Mounting	Surface
Dimensions (mm)	90 x 90 x 32

- Surface backbox for use with UDTAKITSS modules





## Security & observation solutions

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Our CCTV ranges offers the installer a practical range of security and observation solutions reflecting the best features of established and emerging CCTV technology. The range includes cameras

from 2 Megapixel to 8 Megapixel resolution using the latest in analog and IP technology to deliver superior image quality, and with a camera offering that allows colour images 24/7.

- 160**     **REKOR IP 24/7**
- 162**     24/7 2MP IP BULLET CAMERA KIT
- 163**     24/7 2MP IP TURRET CAMERA KIT
  
- 166**     **HDVIEW IP 24/7**
- 168**     24/7 5MP IP CAMERAS
- 169**     24/7 8MP IP CAMERAS
- 170**     24/7 NETWORK VIDEO RECORDERS
  
- 176**     **HDVIEW IP**
- 178**     MOTORISED 5MP IP CAMERAS
  
- 180**     **REKOR HD**
- 182**     24/7 2MP AHD BULLET CAMERA KIT
- 183**     24/7 2MP AHD TURRET CAMERA KIT
- 184**     PAN, TILT & ZOOM CAMERAS
- 185**     PAN, TILT & ZOOM CAMERA ACCESSORIES
- 186**     CCTV MONITORS
- 188**     CCTV ACCESSORIES

## Enhance security with our new 24/7 colour CCTV range. Ensuring crisp detail day or night, in colour...

Enhance security with ESP's new 24/7 Colour CCTV range, providing high quality colour images day and night in up to 4K resolution.

24/7 Camera models include low light image sensors and white LED function to achieve colour images in low light environments such as night time.

Available in 2, 5 and 8 megapixel resolution with housings available in various colour options the 24/7 cameras offer flexible solutions to a wide range of applications.

24/7 NVRs are available as part of a 2-megapixel kit, or available as a 4-64 channel options. PoE models will achieve up to 250 metres cable distance per channel for installation convenience, with surveillance hard drives pre-installed as standard for additional peace of mind.

APP connectivity, 2-way audio options, various recording modes; including line and perimeter detection, all combine to offer the latest in CCTV technology.



24/7 Products Only

# REKOR IP 24/7

2 Megapixel 24/7 Colour  
IP PoE Cameras and Kits



24 HOUR COLOUR CCTV



2MP CAMERAS



PREMIUM SURVEILLANCE  
HARD DRIVE



ESP APP



EFFICIENT DATA STORAGE



Full HD CCTV PoE System With Bullet Cameras  
4 Channel

FINISH OPTIONS



RC24KBB - BLACK | 1TB  
RC24KBW - WHITE | 1TB

Kit Contains

- 4 x 2MP 24/7 PoE Bullet Cameras
- 4 x 20m Camera Cables
- 1 x 4 Channel NVR

Network Video Recorder (NVR)

Recording Bandwidth	64Mbps
Recording Resolution	4K/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Display Output	1 x HDMI, 1 x VGA
Audio Output Channels	1
Network Monitoring	Web browser, Client Software, Android & IOS

Bullet Cameras

Sensor Size	1/2.8" Progressive CMOS
Lens size (mm)	2.8
Lens Type	Fixed
Effective Pixels	2MP (1920 x 1080)
Viewing Angle (°)	106.7 (H), 57.1 (V), 115.7 (D)
Maximum IR Distance (m)	30
White Light Range (m)	30
Dimensions (mm)	75 x 74 x 191

Supplied Components

Ethernet Cables For Each Camera, User Guides, Mounting Screws & Wall plugs

- Complete with 2MP Network Video Recorder, Weatherproof 24/7 IP PoE Cameras, Cable & System Power Supply
- HD 2MP Resolution Viewing and Recording
- 4 Channel IP PoE Network Video Recorder
- White LED and IR Function for 24/7 Colour Images
- Intelligent Features such as Line Cross Detection & Perimeter Intrusion Detection
- Pre-Installed Premium Hard Drive
- Remote Monitoring via APP (Android / IOS) or PC
- Continuous/Scheduled/Motion Detection/Intelligent Record Modes
- USB Backup for Evidence Transfer

Full HD CCTV PoE System With Turret Cameras  
4 Channel

FINISH OPTIONS



RC24KTB - BLACK | 1TB  
RC24KTW - WHITE | 1TB

Network Video Recorder (NVR)

Recording Bandwidth	64Mbps
Recording Resolution	4K/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Display Output	1 x HDMI, 1 x VGA
Audio Output Channels	1
Network Monitoring	Web browser, Client Software, Android & IOS

Dome Cameras

Sensor Size	1/2.8" Progressive CMOS
Lens size (mm)	2.8
Lens Type	Fixed
Effective Pixels	2MP (1920 x 1080)
Viewing Angle (°)	106.7 (H), 57.1 (V), 115.7 (D)
Maximum IR Distance (m)	30
White Light Range (m)	30
Dimensions (mm)	118 x 118 x 96

Supplied Components

Ethernet Cables For Each Camera, User Guides, Mounting Screws & Wall plugs

- Complete with 2MP Network Video Recorder, Weatherproof 24/7 IP PoE Cameras, Cable & System Power Supply
- HD 2MP Resolution Viewing and Recording
- 4 Channel IP PoE Network Video Recorder
- White LED and IR Function for 24/7 Colour Images
- Intelligent Features such as Line Cross Detection & Perimeter Intrusion Detection
- Pre-Installed Premium Hard Drive
- Remote Monitoring via APP (Android / IOS) or PC
- Continuous/Scheduled/Motion Detection/Intelligent Record Modes
- USB Backup for Evidence Transfer

PREMIUM SURVEILLANCE

2MP



H.265



PREMIUM SURVEILLANCE

2MP



H.265





# HDVIEW IP 24/7

5 & 8 Megapixel 24/7 Colour IP  
PoE Cameras and NVRs



24 HOUR COLOUR CCTV



FIXED LENS CAMERAS



ESP APP



INGRESS PROTECTION



POWER OVER ETHERNET  
CONNECTION



USE DAY & NIGHT



PREMIUM SURVEILLANCE  
HARD DRIVE



EFFICIENT DATA STORAGE



5MP & 8MP  
OPTIONS

**2.8mm Fixed Lens IP Bullet Camera**



FINISH OPTIONS



HC528FBG - GREY  
HC528FBW - WHITE

Other Power Sources	PoE (IEEE802.3af)
Effective Pixels	5MP (2880 x 1620)
Lens Size (mm)	2.8
Viewing Angle (°)	112.9 (H), 59.1 (V), 121.2 (D)
White Light Range (m)	30
Maximum IR Distance (m)	30

- Supports PoE & 12V DC Inputs
- Built-in Microphone
- 24/7 Camera Complete with Intelligently Activated White Lights
- ONVIF Compliant
- H.265 Compression
- Supports Up to 128GB MicroSD Card
- Supports Intelligent Detection Functionality
- Suitable for External Applications

**2.8mm Fixed Lens IP Bullet Camera**



FINISH OPTIONS



HC828FBG - GREY  
HC828FBW - WHITE

BBW1 or BBG1 Base

Other Power Sources	PoE (IEEE802.3af)
Effective Pixels	8MP (3840 x 2160)
Lens Size (mm)	2.8
Viewing Angle (°)	112.4 (H), 60.1 (V), 146.1 (D)
White Light Range (m)	30
Maximum IR Distance (m)	30

- Supports PoE & 12V DC Inputs
- Built-in Microphone
- Intelligently Activated White Lights
- ONVIF Compliant
- H.265 Compression
- Supports Up to 128GB MicroSD Card
- Supports Intelligent Detection Functionality
- Suitable for External Applications



**2.8mm Fixed Lens IP Dome Camera**



FINISH OPTIONS



HC528FDG - GREY  
HC528FDW - WHITE

Other Power Sources	PoE (IEEE802.3af)
Effective Pixels	5MP (2880 x 1620)
Lens Size (mm)	2.8
Viewing Angle (°)	101.1 (H), 55.3 (V), 111.1 (D)
White Light Range (m)	30
Maximum IR Distance (m)	30

- Supports PoE & 12V DC Inputs
- Built-in Microphone
- 24/7 Camera Complete with Intelligently Activated White Lights
- ONVIF Compliant
- H.265 Compression
- Supports Up to 128GB MicroSD Card
- Supports Intelligent Detection Functionality
- Suitable for External Applications

**2.8mm Fixed Lens IP Dome Camera**



FINISH OPTIONS



HC828FDG - GREY  
HC828FDW - WHITE

DBW2 or DBG2 Base

Other Power Sources	PoE (IEEE802.3af)
Effective Pixels	8MP (3840 x 2160)
Lens Size (mm)	2.8
Viewing Angle (°)	106.7 (H), 57.1 (V), 115.7 (D)
White Light Range (m)	30
Maximum IR Distance (m)	30

- Supports PoE & 12V DC Inputs
- Built-in Microphone
- Intelligently Activated White Lights
- ONVIF Compliant
- H.265 Compression
- Supports Up to 128GB MicroSD Card
- Supports Intelligent Detection Functionality
- Suitable for External Applications



**IP PoE 24/7 NVR**  
4 Channel



- HC84R - BLACK | 1TB (1 X SATA)
- HC84R2TB - BLACK | 2TB (1 X SATA)
- HC84R4TB - BLACK | 4TB (1 X SATA)
- HC84R8TB - BLACK | 8TB (1 X SATA)

Operating Voltage (V DC)	48
Power Consumption (W)	<9 (Without Hard Disk)
Recording Resolution	4k, 5MP, 4MP, 3MP, 1080p, 960p, 720p, D1, 2CIF, CIF
PoE Ports	4
Video Input Channels	4
Display Video Output	1 x HDMI, 1 x VGA
Compatible Products	The range of 24/7 HDview 5MP and 8MP and Rekor IP 2MP Cameras
Dimensions (mm)	240 x 260 x 47

- H.265 Video Compression for Efficient Storage
- Intelligent Features such as Line Cross Detection & Perimeter Intrusion Detection
- Continuous/Scheduled/Motion Detection/Intelligent Record Modes
- Remote Monitoring via APP
- Up to 250m Cable Length per Channel
- Playback/Record/Remote View Simultaneously
- HDMI Output up to 4k
- USB Backup for Evidence Transfer
- Pre-Installed Surveillance Hard Drive

**IP PoE 24/7 NVR**  
8 Channel



- HC88R - BLACK | 1TB (1 X SATA)
- HC88R2TB - BLACK | 2TB (1 X SATA)
- HC88R4TB - BLACK | 4TB (1 X SATA)
- HC88R8TB - BLACK | 8TB (1 X SATA)

Operating Voltage (V DC)	52
Power Consumption (W)	<8
Recording Resolution	4k, 5MP, 4MP, 3MP, 1080p, 960p, 720p, D1, 2CIF, CIF
PoE Ports	8
Video Input Channels	8
Display Video Output	1 x HDMI, 1 x VGA
Compatible Products	The range of 24/7 HDview 5MP and 8MP and Rekor IP 2MP Cameras
Dimensions (mm)	240 x 260 x 47

- H.265 Video Compression for Efficient Storage
- Intelligent Features such as Line Cross Detection & Perimeter Intrusion Detection
- Continuous/Scheduled/Motion Detection/Intelligent Record Modes
- Remote Monitoring via APP
- Up to 250m Cable Length per Channel
- Playback/Record/Remote View Simultaneously
- HDMI Output up to 4k
- USB Backup for Evidence Transfer
- Pre-Installed Surveillance Hard Drive

**IP PoE 24/7 NVR**  
16 Channel



- HC816R - BLACK | 2TB (1 X SATA)
- HC816R4TB - BLACK | 4TB (1 X SATA)
- HC816R8TB - BLACK | 8TB (1 X SATA)
- HC816R12TB - BLACK | 12TB (2 X SATA)
- HC816R16TB - BLACK | 16TB (2 X SATA)

Operating Voltage (V AC)	100 - 240
Power Consumption (W)	<10
Recording Resolution	8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 960p, 720p, D1, 2CIF, CIF
PoE Ports	16
Video Input Channels	16
Display Video Output	1 x HDMI, 1 x VGA
Dimensions (mm)	315 x 380 x 53

- H.265 Video Compression for Efficient Storage
- Intelligent Features such as Line Cross Detection & Perimeter Intrusion Detection
- Continuous/Scheduled/Motion Detection/Intelligent Record Modes
- Remote Monitoring via APP
- Up to 250m Cable Length per Channel
- Playback/Record/Remote View Simultaneously
- HDMI Output up to 4k
- USB Backup for Evidence Transfer
- Pre-Installed Surveillance Hard Drive

**IP PoE 24/7 NVR**  
32 Channel



- HC832R - BLACK | 4TB (1 X SATA)
- HC832R8TB - BLACK | 8TB (2 X SATA)
- HC832R16TB - BLACK | 16TB (2 X SATA)
- HC832R32TB - BLACK | 32TB (4 X SATA)

Operating Voltage (V AC)	100 - 240
Power Consumption (W)	<15
Recording Resolution	8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 960p, 720p, D1, 2CIF, CIF
PoE Ports	16
Video Input Channels	32
Display Video Output	1 x HDMI, 1 x VGA
Compatible Products	The range of 24/7 HDview 5MP and 8MP and Rekor IP 2MP Cameras
Dimensions (mm)	362 x 400 x 74

- H.265 Video Compression for Efficient Storage
- Intelligent Features such as Line Cross Detection & Perimeter Intrusion Detection
- Continuous/Scheduled/Motion Detection/Intelligent Record Modes
- Remote Monitoring via APP
- Up to 250m Cable Length per Channel
- Playback/Record/Remote View Simultaneously
- HDMI Output up to 4k
- USB Backup for Evidence Transfer
- Pre-Installed Surveillance Hard Drive

**IP PoE 24/7 NVR**  
64 Channel



- H1C864R** - BLACK | 8TB (1 X SATA)                      **H1C864R32TB** - BLACK | 32TB (4 X SATA)
- H1C864R12TB** - BLACK | 12TB (2 X SATA)                      **H1C864R48TB** - BLACK | 48TB (6 X SATA)
- H1C864R16TB** - BLACK | 16TB (2 X SATA)                      **H1C864R64TB** - BLACK | 64TB (8 X SATA)
- H1C864R24TB** - BLACK | 24TB (3 X SATA)

Operating Voltage (V AC)	100 - 240
Power Consumption (W)	<35
Recording Resolution	32MP, 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 960p, 720p, D1, 2CIF & CIF
PoE Ports	0
Video Input Channels	64
Display Video Output	2 x VGA, 2 x HDMI
Compatible Products	The range of 24/7 HDview 5MP and 8MP and Rekor IP 2MP Cameras
Dimensions (mm)	426 x 442 x 89

- H.265 Video Compression for Efficient Storage
- Intelligent Features such as Line Cross Detection & Perimeter Intrusion Detection
- Continuous/Scheduled/Motion Detection/Intelligent Record Modes
- Remote Monitoring via APP
- 2 x Uplink Ports for Connecting to IP Camera Networks
- Playback/Record/Remote View Simultaneously
- Dual HDMI output up to 4k
- USB Backup for Evidence Transfer
- Pre-Installed Surveillance Hard Drive



# HDVIEW IP

5 Megapixel IP PoE  
Cameras and NVRs



ESP APP



INGRESS PROTECTION



IMPACT RATING



MOTORIZED LENS CAMERAS



USE DAY & NIGHT



POWER OVER ETHERNET  
CONNECTION



5MP CAMERAS



EFFICIENT DATA STORAGE

**2.8-12mm Lens 5MP IP Bullet Camera**



FINISH OPTIONS



**H512VBG - GREY**

**H512VBW - WHITE**

BBG1 OR BBW1 BASE

Other Power Sources	PoE (IEEE802.3af)
Effective Pixels	5MP (2880 x 1620)
Lens Size (mm)	2.8-12
Lens Type	Varifocal (Motorised)
Viewing Angle (°)	96.4 - 32.7
Maximum IR Distance (m)	40

- Supports PoE & 12V DC Inputs
- Built-in Microphone
- Supports Up to 128GB MicroSD Card
- ONVIF Compliant
- H.265 Compression
- Supports Intelligent Detection Functionality
- Compatible with HDview IP 24/7 NVRs

**2.8-12mm Lens 5MP IP Vandal Resistant Dome Camera**



FINISH OPTIONS



**H512VDGA - GREY**

**H512VDWA - WHITE**

DBG4 OR DBW4 BASE

Other Power Sources	PoE (IEEE802.3af)
Effective Pixels	5MP (2880 x 1620)
Lens Size (mm)	2.8-12
Lens Type	Varifocal (Motorised)
Viewing Angle (°)	96.4 - 32.7
Maximum IR Distance (m)	40

- Supports PoE & 12V DC Inputs
- Built-in Microphone
- Supports Up to 128GB MicroSD Card
- ONVIF Compliant
- H.265 Compression
- Supports Intelligent Detection Functionality
- Impact Resistant Housing
- Compatible with HDview IP 24/7 NVRs

**2.8-12mm Lens 5MP IP Dome Camera**



FINISH OPTIONS



**H512VDG - GREY**

**H512VDW - WHITE**

DBG4 OR DBW4 BASE

Other Power Sources	PoE (IEEE802.3af)
Effective Pixels	5MP (2880 x 1620)
Lens Size (mm)	2.8-12
Lens Type	Varifocal (Motorised)
Viewing Angle (°)	96.4 - 32.7
Maximum IR Distance (m)	40

- Supports PoE & 12V DC Inputs
- Built-in Microphone
- Supports Up to 128GB MicroSD Card
- ONVIF Compliant
- H.265 Compression
- Supports Intelligent Detection Functionality
- Compatible with HDview IP 24/7 NVRs



# REKOR HD

2 Megapixel Cameras and Kits



ESP APP



2MP CAMERAS



FIXED LENS CAMERAS



360° ROTATION



USE DAY & NIGHT



INGRESS PROTECTION



PREMIUM SURVEILLANCE  
HARD DRIVE

HD CCTV Analogue System With Bullet Cameras  
4 Channel

FINISH OPTIONS



RCKBB - BLACK | 1TB  
RCKBW - WHITE | 1TB

PREMIUM SURVEILLANCE

2MP



H.265



Digital Video Recorder (DVR)	
Record Rate (Main Stream)	4 Channels @1080P
Recording Resolution	1080P @15fps
Display Output	1 x HDMI, 1 x VGA & 1 x BNC
Audio Output Channels	1
Network Monitoring	CMS Windows & Mac, Android & IOS
Bullet Cameras	
Sensor Size	1/2.8"
Lens size (mm)	3.6
Lens Type	Fixed
Effective Pixels	2MP (1920 x 1080)
Viewing Angle (°)	87
White Light Range (m)	40
Colour Minimum Illumination (Lux)	0.005
Dimensions (mm)	Ø71 x 151
Supplied Components	
Shotgun Cables For Each Camera, User Guides, Mounting Screws & Wall plugs	

- Complete with 4 Channel DVR, Cameras, Cables & System Power Supply
- HD 2MP Resolution Viewing and Recording
- 4 x 2MP, Day/ Night, Weatherproof Cameras
- Intelligent Features such as Line Cross Detection & Perimeter Intrusion Detection
- H.265 Video Compression for Efficient Storage
- Pre-Installed Premium Hard Drive
- Remote Monitoring via APP (Android / IOS) or PC
- Playback / Record / Remote View Simultaneously
- Continuous / Scheduled / Motion Record Modes

HD CCTV Analogue System With Turret Cameras  
4 Channel

FINISH OPTIONS



RCKTB - BLACK | 1TB  
RCKTW - WHITE | 1TB

PREMIUM SURVEILLANCE

2MP



H.265



Digital Video Recorder (DVR)	
Record Rate (Main Stream)	4 Channels @1080P
Recording Resolution	1080P @15fps
Display Output	1 x HDMI, 1 x VGA & 1 x BNC
Audio Output Channels	1
Network Monitoring	CMS Windows & Mac, Android & IOS
Dome Cameras	
Sensor Size	1/2.8"
Lens size (mm)	3.6
Lens Type	Fixed
Effective Pixels	2MP (1920 x 1080)
Viewing Angle (°)	87
White Light Range (m)	40
Colour Minimum Illumination (Lux)	0.005
Dimensions (mm)	Ø100 x 82
Supplied Components	
Shotgun Cables For Each Camera, User Guides, Mounting Screws & Wall plugs	

- Complete with 4 Channel DVR, Cameras, Cables & System Power Supply
- HD 2MP Resolution Viewing and Recording
- 4 x 2MP, Day/ Night, Weatherproof Cameras
- Intelligent Features such as Line Cross Detection & Perimeter Intrusion Detection
- H.265 Video Compression for Efficient Storage
- Pre-Installed Premium Hard Drive
- Remote Monitoring via APP (Android / IOS) or PC
- Playback / Record / Remote View Simultaneously
- Continuous / Scheduled / Motion Record Modes

1080P External Pan, Tilt & Zoom Camera

FINISH OPTIONS



FHDVC18PTZ - WHITE



PTZCBRKT - Corner Bracket

Operating Voltage (V DC)	12
Effective Pixels	2MP (1920 x 1080)
Lens Size (mm)	4,7-84,6
Lens Type	Varifocal (Motorised)
Operation	Full Pan, Tilt & Zoom
Maximum IR Distance (m)	50
Compatible Products	The range of Rekor HD & HDview Series of Digital Video Recorders
Dimensions (mm)	150 x 235 x 205

- Powder Coated Metal & Plastic Construction
- 18x Optical Zoom
- Up-The-Coax (UTC) & RS485 Compatible

Pan, Tilt & Zoom Controller

FINISH OPTIONS



PTZCON - BLACK

Operating Voltage (V DC)	12
Baud Rate (bps)	1200, 2400, 4800, 9600, 19200
Outputs	BNC, Audio
Communication Protocol	Pelco-P, Pelco-D, Panasonic, HikVision, Samsung, RULE, Dahua, SAE
Dimensions (mm)	420 x 260 x 170

- For use with Analogue PTZ Cameras
- Supports RS485
- Keyboard for Programming & Camera Controls



## 1080p LED CCTV Monitor

FINISH OPTIONS



**MON18L** - BLACK | 18.5" LED CCTV MONITOR

**MON21L** - BLACK | 21.5" LED CCTV MONITOR

**MON23L** - BLACK | 23.8" LED CCTV MONITOR

TFT-BRA1, TFT-BRA2 or TFT-BRA4 Monitor Bracket Available

Supply Voltage (V AC)	100 - 240
Input Type	1 x BNC, 1 x HDMI, 1 x VGA
Supported Resolutions	720x400   640x480   800x600   1024x768   1280x1024   1680x1050   1920x1080
Number of Speakers	2
Speaker Outputs	80.2 Watt
Aspect Ratio	16:9
Current Consumption (W)	< 30
Accessories	TFT-BRA1, TFT-BRA2, TFT-BRA4

- Energy Efficient LED Wide Screen Monitor
- Complete with Desktop Stand
- 100 x 100 VESA Mount Compatible
- Internal Power Supply
- HDMI & VGA Cable Included



### CCTV Test Monitor

FINISH OPTIONS



TMPROSHD - BLACK

Operating Voltage (V DC)	12
Battery Type	7.4V 2400mAh, Lithium-Polymer
Type of Inputs	1 x BNC & 1 x IP PoE Port
Output Type	RS485, DC Power Socket
Output Rating	DC 12V 3A (DC Socket), 48V @ 24W (PoE)
Display	4" IPS Touch Screen, 800 x 480
Dimensions (mm)	126 x 83 x 83

- Used to configure CCTV cameras when installing
- Supports up to 8MP TVI, 4MP CVI & 5MP AHD cameras
- Supports up to 8MP H.265 IP cameras
- Supports 12V DC @3A or 48V PoE to power CCTV cameras
- Supports IP Discovery, which detects cameras connected to a network
- Supports IP camera configuration
- Up to 7 Hours battery life

### Fixed Monitor Wall Bracket

FINISH OPTIONS



TFT-BRA1 - BLACK

Mounting	Wall
VESA Wall Hanging (mm)	50 x 50, 75 x 75, 100 x 100
Maximum Supported Screen Size (Inches)	28
Maximum Supported Weight (Kg)	20
Dimensions (mm)	114 x 114 x 15

- Fixed Bracket for Monitors

### External Warning Sign

FINISH OPTIONS



WARN - YELLOW

Materials	3mm White PVC Foam
Dimensions (mm)	420 x 300 x 3

- Clear Bold Writing
- 4 x Pre-Drilled Holes for Mounting
- 2 x Empty Fields for Personalisation
- Suitable for Commercial CCTV Installation

### 9 Way 12V DC 5A CCTV Power Supply



FINISH OPTIONS



CPS9W - GREY



Supply Voltage (V AC)	110 - 240
Number of Outputs	9
Output Rating	12V DC Regulated @ 1 Amp (each)
Connections	9 x Male DC Plugs (2.1 x 5.5mm)
Dimensions (mm)	201.5 x 238.5 x 61.5

- 1.1A Automatic PTC Fuses Protecting Each Output
- AC Input & DC Output LED Indicators
- Short Circuit & Surge Protection
- Internal On/Off Power Switch
- Individual LED Indicators Per Output
- Internal on/off power switch
- AC input and DC output LED indicators
- Individual LED indicators per output

### 18 Way 12V DC 10A CCTV Power Supply



FINISH OPTIONS



CPS18W - GREY



Supply Voltage (V AC)	110 - 240
Number of Outputs	18
Output Rating	12V DC Regulated @ 1 Amp (each)
Connections	18 x Male DC Plugs (2.1 x 5.5mm)
Dimensions (mm)	201.5 x 238.5 x 61.5

- 1.1A Automatic PTC Fuses Protecting Each Output
- AC Input & DC Output LED Indicators
- Short Circuit & Surge Protection
- Internal On/Off Power Switch
- Individual LED Indicators Per Output
- Internal on/off power switch
- AC input and DC output LED indicators
- Individual LED indicators per output

### 4 Channel POE Switch



S4POE



Materials	Galvanised Steel
Mounting	Surface
Operating Voltage (V DC)	48 - 51
Power Consumption (W)	65
Ports	6x100Mbps network ports (RJ45), including 4 PoE ports
PoE Output (W)	Maximum capacity: 60W, Maximum capacity for single port: 30W

### 8 Channel POE Switch



S8POE



Materials	Galvanised Steel
Mounting	Surface
Operating Voltage (V DC)	48 - 51
Power Consumption (W)	93
Ports	10x100Mbps network ports (RJ45), including 8 PoE ports
PoE Output (W)	Maximum capacity: 88W, Maximum capacity for single port: 30W

### 16 Channel POE Switch



S16POE



Materials	Galvanised Steel
Mounting	Surface, or Rack Mounted (rack mounts included)
Supply Voltage (V AC)	100 - 240
Power Consumption (W)	270
Ports	16x100Mbps PoE (RJ45), 1x1000Mbps, 1x1000Mbps Combo
PoE Output (W)	Maximum capacity: 225W, Maximum capacity for single port: 30W

**Male DC to DC Connector**



**CAB-DC-M**

Terminated Connections	2 x Male DC
DC Plug Dimensions (mm)	2.1 (inner) x 5.5 (outer)
Dimensions (mm)	7 x 140

- Suitable for coupling 2 DC Female Connections together

**Female DC to DC Connector**



**CAB-DC**

Terminated Connections	2 x Female DC
DC Socket Dimensions (mm)	2.1 (inner) x 5.5 (outer)
Dimensions (mm)	7 x 140

- Suitable for coupling 2 DC Male Connections together

**Single Channel HD Passive Balun**



**HDBALUNV**

Connections	1 x BNC Male, 2 x Screw Terminals
Compatible Products	The range of RHD, Rekor HD & HDview Series of Analogue HD Cameras
Dimensions (mm)	194 x 28 x 18

**Single Channel HD Video & Power Balun**



**HDBALUNVP**

Connections	1 x BNC Male, 1 x DC Hollow Jack (5.5 x 2.1mm) & 1 x RJ45 Socket
Compatible Products	The range of RHD, Rekor HD & HDview Series of Analogue HD Cameras
Dimensions (mm)	168 x 90 x 150

**Single Channel HD Video & Power Transmitter Balun**



**HDBALUNVPCT**

Connections	1 x BNC Male, 1 x DC Hollow Jack (5.5 x 2.1mm) & 1 x RJ45 Socket
Compatible Products	The range of RHD, Rekor HD & HDview Series of Analogue HD Cameras
Dimensions (mm)	168 x 90 x 150



### Data Cable Coupler

FINISH OPTIONS



CABIPCOUP - BLACK



Terminated Connections	2 x RJ-45 Sockets
Dimensions (mm)	20.8 x 19.8 x 34

### 1 Channel PoE Injector

FINISH OPTIONS



IPIN1POE - BLACK



Supply Voltage (V AC)	100 - 240
Rated Output (DC)	53
PoE Output (W)	30
Cable Supplied	UK Plug To C5 - 1.5M
Dimensions (mm)	115 x 62.5 x 31

### PoE Extender

FINISH OPTIONS



IPX100POE - BLACK



Operating Voltage (V DC)	48 - 57
Input Type	PoE
PoE Output (W)	15.4
Connections	RJ45 Input, RJ45 Output
Ingress Protection	IP20
Dimensions (mm)	83 x 51.5 x 24

### Powerline Adapter

FINISH OPTIONS



PLA - WHITE



Materials	Polycarbonate
Plug Type	UK
Operating Voltage (V AC)	220 - 240
Power Consumption (W)	4.6
Maximum Communication Range (m)	300 (Over Existing Electrical Wiring)
Interface	1*10/100Mbps (Ethernet Port)

- Twin pack
- 1 port per unit
- 100Mbps
- Plug and play installation
- Works on single phase ring mains only

### IP 5.8GHz Wireless Bridge White

FINISH OPTIONS



IPWFBW - WHITE



Materials	Plastic
Mounting	Wall or Pole
Operating Voltage (V DC)	12
PoE (IEEE 802.3af)	Other Power Sources
5.8 GHz	Wireless Frequency
	Wireless Range - Open Field (m)

- Can operate as a "Host" or "Client"
- Supports 1 - 1 pairing
- Supports 1 - multiple pairing

**Power and BNC Video Cable**

FINISH OPTIONS



- CAB-10 - BLACK - 10M
- CAB-20 - BLACK - 20M
- CAB-40 - BLACK - 40M
- CAB-80 - BLACK - 80M

Terminated Connections	2 x Female BNC, 1 x Male DC (2.1 x 5.5) & 1 x Female DC (2.1 x 5.5)
------------------------	---

- Suitable for Analogue CCTV Applications
- External Grade Polyethylene Jacketed Cable

**BNC Cable Connector**

FINISH OPTIONS



- CAB-BNC - CHROME

Terminated Connections	2 x Female BNC
Dimensions (mm)	11 x 11 x 32.5

- Suitable for coupling 2 BNC Male Connections together

**Data Cable**

FINISH OPTIONS



- CABIP10 - BLACK - 10M
- CABIP20 - BLACK - 20M
- CABIP40 - BLACK - 40M
- CABIP80 - BLACK - 80M

Terminated Connections	RJ45 x 2
------------------------	----------

- Pre-Terminated Cat5e Cable
- Twisted 4-Pair Cable
- External Grade Polyethylene Jacketed Cable

**1 Way CCTV Power Supply**

FINISH OPTIONS



- PSIL1W - BLACK

Supply Voltage (V AC)	110 - 240
Number of Outputs	1
Output Rating	12V DC Regulated @ 1 Amp
Connections	1 x Male DC Plug (2.1 x 5.5mm)
Dimensions (mm)	49.80 x 80.80 x 29.4

- Inline Power Supply
- Suitable to connected into a Fused Spur
- Suitable to Power a single CCTV Camera

### Camera Deep Base

FINISH OPTIONS



**BBB1** - BLACK

**BBG1** - GREY

**BBW1** - WHITE



Materials	Powder Coated Aluminium
Dimensions (mm)	104 x 104 x 54

### Camera Deep Base

FINISH OPTIONS



**DBG2** - GREY

**DBW2** - WHITE



Materials	Powder Coated Aluminium
Dimensions (mm)	108 x 108 x 36

### Camera Deep Base

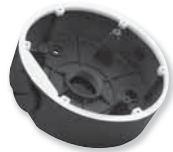
FINISH OPTIONS



**DBB3** - BLACK

**DBG3** - GREY

**DBW3** - WHITE



Materials	Powder Coated Aluminium
Dimensions (mm)	126 x 36 x 126

### Camera Deep Base

FINISH OPTIONS



**DBG4** - GREY

**DBW4** - WHITE



Materials	Powder Coated Aluminium
Dimensions (mm)	126 x 36 x 126

For further technical information please view our datasheets online.

### Hard Disk Drive - 1TB



**HD1000SA**

Connection Type	SATA
Maximum Capacity	1TB
Dimensions (mm)	26.1 x 147 x 101.6



### Hard Disk Drive - 2TB



**HD2000SA**

Connection Type	SATA
Maximum Capacity	2TB
Dimensions (mm)	26.1 x 147 x 101.6



### Hard Disk Drive - 4TB



**HD4000SA**

Connection Type	SATA
Maximum Capacity	4TB
Dimensions (mm)	26.1 x 147 x 101.6



### Hard Disk Drive - 8TB



**HD8000SA**

Connection Type	SATA
Maximum Capacity	8TB
Dimensions (mm)	26.1 x 147 x 101.6



For further technical information please view our datasheets online.



## Complete access control solutions

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A complete and flexible range of superb quality video door entry equipment. Simple installation and high performance in colour, with the option of call points with integral PIN access which means you need look no further to find the ideal video door entry solution.

# APERTA & APERTA IP

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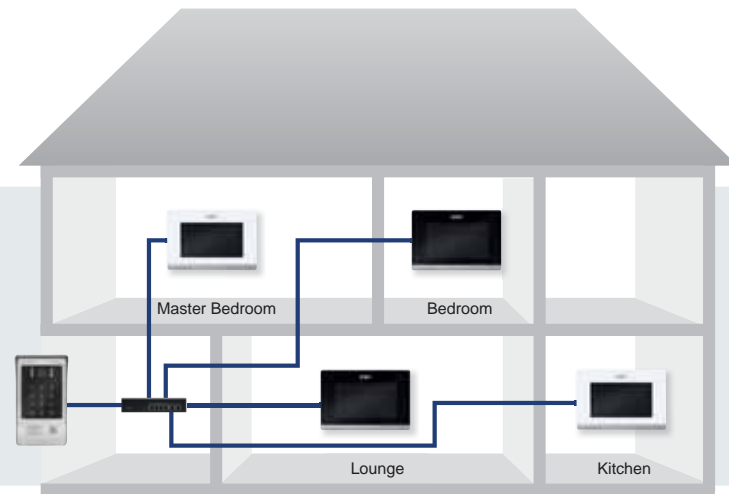
# ACCESS CONTROL

# APERTA IP

Discover a new range of IP PoE communication. Aperta IP kits provide a simple, stylish and reliable solution all in one box. The outstation and monitor combine to produce; HD video, duplex audio,

and ClickSmart+ APP integration for video and access applications. Whilst installation is made straight forward by utilizing the latest in PoE (Power over Ethernet) technology.

Single way IP system example components...



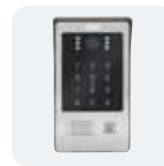
POE SWITCH



7" HD TOUCH SCREEN MONITOR



7" HD TOUCH SCREEN MONITOR



SINGLE WAY IP DOOR STATION

## APERTA IP - SINGLE WAY IP POE KITS



### Single Way Video Door Entry Kit

FINISH OPTIONS



A1IPKB - BLACK  
A1IPKW - WHITE



A1IPT10 - 10 x BLACK Proximity Tags

<b>Outdoor Station</b>	
Dimensions (mm)	150 x 84 x 33
Mounting	Surface or Flush
Fobs Supported	200
Camera	1.0MP CMOS Low Illumination
Camera Viewing Angle (°)	110 (Horizontal)
PIN Code Length	6
Lock output	12VDC, NO & NC Contacts
Materials	Aluminium Alloy
Ingress Protection	IP65
<b>Monitor</b>	
Dimensions (mm)	151 x 226 x 20.5
Screen Size (Inches)	7 (TFT LCD Touch Screen)
Audio	Full Duplex
Recording Storage Device	Micro SD Card (32GB Max.) (Not Included)
<b>PoE Switch</b>	
PoE Ports	4 x 10/100Base-TX
<b>Compatible Accessories</b>	
A1IPT10	Pack of 10 13.56MHz fobs

- Simple IP PoE installation
- Built-in Keypad & Fob reader for unlocking door
- Audio message alerts user if the door has been unlocked
- 10 x 13.56MHz Fobs included
- Video recording viewable on monitor
- Complete with 4 channel PoE switch
- ClickSmart+ App Integration



### Single Way Outdoor Station with Proximity Reader

FINISH OPTIONS



A1IPVDS - SILVER



A1IPT10 - 10 x BLACK Proximity Tags

Materials	Aluminium Alloy
Mounting	Surface & Flush
Secondary Power Source	PoE 802.3af/at
Fob Reader Operating Frequency	13.56MHz
Fobs Supported	200
Viewing Angle (°)	110 (Horizontal)
Audio	Full Duplex, Noise Suppression & Echo Cancellation
Dimensions (mm)	150 x 84 x 33
Compatible Accessories	A1IP10   Pack of 10 13.56MHz fobs

- Simple IP PoE installation
- Built-in keypad & fob reader for unlocking door
- HD video & full duplex audio
- Audio message alerts user if door has been unlocked
- 10 x 13.56MHz Fobs included
- IP65 Ingress protection
- IK10 Impact resistance



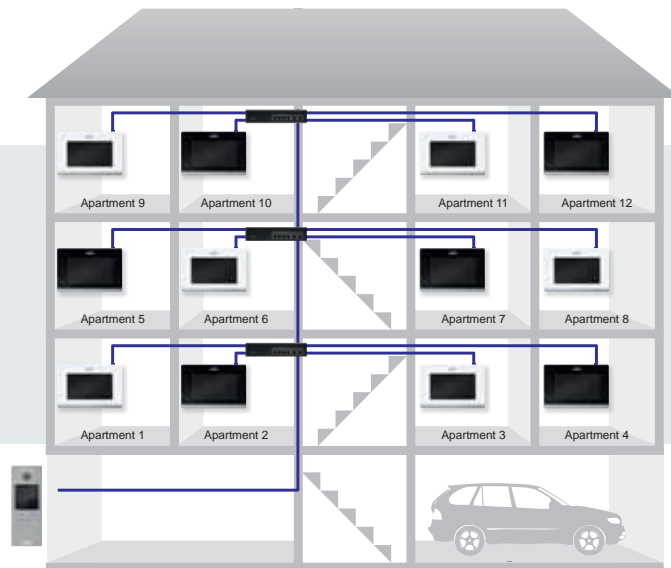
# APERTA IP

## Multi Way IP Video Door Entry

A flexible range of superb quality hands-free IP colour video door entry products specifically for installation in large complexes. Simplicity of installation is the key to Aperta multi way systems, with a capacity to accommodate over 200 users while maintaining high performance.

The keypad multi way door station allows both apartment calling plus door unlocking by passcode, no need for 2 separate keypads.

Multi way IP system  
example components...



POE SWITCH



7" HD TOUCH  
SCREEN MONITOR



7" HD TOUCH  
SCREEN MONITOR



MULTI WAY IP  
DOOR STATION

## Multi Way Outdoor Station with Proximity Reader

FINISH OPTIONS



A11PDSM1 - SILVER



A11PT10 - 10 x BLACK Proximity Tags

Materials	Aluminium Alloy
Mounting	Surface & Flush
Secondary Power Source	PoE 802.3af/at
Fob Reader Operating Frequency	13.56MHz
Fobs Supported	200
Viewing Angle (*°)	90 (Horizontal)
Screen Size (Inches)	4.3" Colour TFT LCD
Audio	Full Duplex, Noise Suppression & Echo Cancellation
Maximum Call-able address	200*
Dimensions (mm)	365 x 140 x 50

- Simple IP PoE installation
- Built-in Keypad & Fob reader for unlocking door
- HD video & full duplex audio
- Audio message alerts user if door has been unlocked
- 10 x 13.56MHz Fobs included
- User Friendly 4" GUI display
- IP65 Ingress protection & IK10 Impact resistance
- \*If over 200 apartments are required please contact our technical support



### Door Entry Monitor with App

FINISH OPTIONS



A11PMB - BLACK

A11PMW - WHITE

Materials	Polycarbonate & Aluminium
Mounting	Wall Mounted
Secondary Power Source	PoE 802.3af/at
Screen Size (Inches)	7 (TFT LCD)
User Interaction	Touch Screen
Network Connection Type	WiFi & LAN
Recording Storage Device	Micro SD Card (32GB Max.) (Not Included)
Dimensions (mm)	151 x 226 x 20.5

- Simple IP PoE installation
- HD video & full duplex audio
- Suitable for Single or Multi way installations
- User friendly 7" GUI display
- Compatible with Aperta IP PoE products
- Optional video recordings & playback of callers
- Clicksmart+ app, ethernet & Wi-Fi connectivity

### 4 Channel POE Switch

FINISH OPTIONS



S4POE - BLACK



Materials	Galvanised Steel
Mounting	Surface
Operating Voltage (V DC)	48 - 51
Power Consumption (W)	65
Ports	6x100Mbps network ports (RJ45), including 4 PoE ports
PoE Output (W)	Maximum capacity: 60W, Maximum capacity for single port: 30W

### 8 Channel POE Switch

FINISH OPTIONS



S8POE - BLACK



Materials	Galvanised Steel
Mounting	Surface
Operating Voltage (V DC)	48 - 51
Power Consumption (W)	93
Ports	10x100Mbps network ports (RJ45), including 8 PoE ports
PoE Output (W)	Maximum capacity: 88W, Maximum capacity for single port: 30W

### 16 Channel POE Switch

FINISH OPTIONS



S16POE - BLACK



Materials	Galvanised Steel
Mounting	Surface, or Rack Mounted (rack mounts included)
Supply Voltage (V AC)	100 - 240
Power Consumption (W)	270
Ports	16x100Mbps PoE (RJ45), 1x1000Mbps, 1x1000Mbps Combo
PoE Output (W)	Maximum capacity: 225W, Maximum capacity for single port: 30W

For further technical information please view our datasheets online.

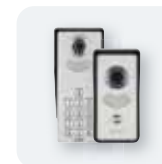
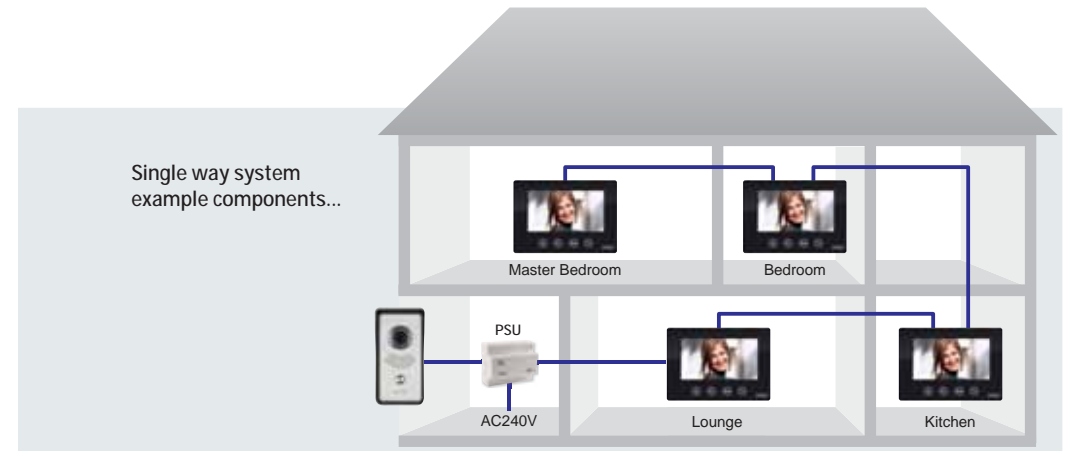


# APERTA

## Single Way Video Door Entry

A flexible range of superb quality hands-free colour video door entry products specifically for installation in single dwellings. Simplicity of installation is the key to Aperta single way systems, requiring only 2 wires throughout for all outdoor stations and monitors which are powered by a single power supply.

The range offers kits which are supplied with either an Outdoor Station with simple bell push or an Outdoor Station with integrated keypad. Also available as separate components to meet the desired installation requirements.



DOOR STATIONS



COLOUR MONITORS



COMBINED POWER SUPPLY & BUS SEPARATOR  
(CONNECT UP TO 5 DEVICES)

Single Way Video Door Entry Kit

FINISH OPTIONS



APKITBLK - BLACK  
APKIT - WHITE

Outdoor Station	
Dimensions (mm)	165 x 85 x 53
Materials	ABS/Aluminium Alloy
Image sensor	1/3" Colour CCD
Lens	3.6mm
Minimum Illumination	0.1 LUX
Illumination Type	6 LEDs
Materials	ABS
Ingress Protection	IP55
Monitor	
Dimensions (mm)	152 x 215 x 18
Screen Size (Inches)	7 (TFT LCD)
Audio	Full Duplex
Illumination	Backlit Screen and Buttons
Adjustments	Volume, Brightness, and Contrast Dials
Compatible Accessories	Range of monitors, power supply units, surface and flush locks.

- Simple 2 wire installation (Cat5 recommended)
- Single power supply (included) supports monitors & outdoor stations, flexible combination of up to 5 devices
- Clear high resolution colour picture on 7" hands free TFT monitor

Single Way Video Door Entry Keypad Kit

FINISH OPTIONS



APKITPBLK - BLACK  
APKITKP - WHITE

Outdoor Station	
Dimensions (mm)	200 x 87 x 53
Materials	ABS/Aluminium Alloy
Image sensor	1/3" Colour CCD
Lens	3.6mm
Minimum Illumination	0.1 LUX
Illumination Type	6 LEDs
Materials	Aluminium Alloy
Ingress Protection	IP55
Monitor	
Dimensions (mm)	152 x 215 x 18
Screen Size (Inches)	7 (TFT LCD)
Audio	Full Duplex
Illumination	Backlit Screen and Buttons
Adjustments	Volume, Brightness and Contrast Dials
Compatible Accessories	Range of monitors, power supply units, surface and flush locks.

- Simple 2 wire installation (Cat5 recommended)
- Single power supply (included) supports monitors & outdoor stations, flexible combination of up to 5 devices
- Outdoor station with built in keypad for code door unlocking
- Clear high resolution colour picture on 7" hands free TFT monitor



Single Way Video Door Entry Kit with Record Facility

FINISH OPTIONS



APKITGBLK - BLACK  
APKITG - WHITE

Outdoor Station	
Dimensions (mm)	165 x 85 x 53
Materials	ABS/Aluminium Alloy
Image sensor	1/3" Colour CCD
Lens	3.6mm
Minimum Illumination	0.1 LUX
Illumination Type	6 LEDs
Materials	ABS
Ingress Protection	IP55
Monitor	
Dimensions (mm)	183 x 185 x 20
Screen Size (Inches)	7 (TFT LCD)
Audio	Full Duplex
Illumination	Backlit Screen and Buttons
Recording Storage Device	Micro SD Card (32GB Max.)
Compatible Accessories	
Accessories	Range of monitors, power supply units, surface and flush locks.

- Simple 2 wire installation (Cat5 recommended)
- Single power supply (included) supports monitors & outdoor stations, flexible combination of up to 5 devices
- Clear high resolution colour picture on 7" hands free TFT monitor
- Optional still or video recording and playback of callers

Single Way Video Door Entry Keypad Kit with Record Facility

FINISH OPTIONS



APKITKGBLK - BLACK  
APKITKPG - WHITE

Outdoor Station	
Dimensions (mm)	200 x 87 x 53
Materials	ABS/Aluminium Alloy
Image sensor	1/3" Colour CCD
Lens	3.6mm
Minimum Illumination	0.1 LUX
Illumination Type	6 LEDs
Materials	Aluminium Alloy
Ingress Protection	IP55
Monitor	
Dimensions (mm)	183 x 185 x 20
Screen Size (Inches)	7 (TFT LCD)
Audio	Full Duplex
Illumination	Backlit Screen and Buttons
Recording Storage Device	Micro SD Card (32GB Max.)
Compatible Accessories	
Accessories	Range of monitors, power supply units, surface and flush locks.

- Simple 2 wire installation (Cat5 recommended)
- Single power supply (included) supports monitors & outdoor stations, flexible combination of up to 5 devices
- Clear high resolution colour picture on 7" hands free TFT monitor
- Optional still or video recording and playback of callers



Single Way Outdoor Station



FINISH OPTIONS



APDSSW - SILVER

Materials	ABS/Aluminium Alloy
Mounting	Surface Mounting
Operating Voltage (V DC)	24 (BUS)
Effective Distance to PowerSupply (M)	50
Viewing Angle (°)	70
Audio	Full Duplex

- Waterproof IP55 outdoor station
- High resolution colour Camera
- Simple 2 core cable installation

BUS POWERED

2 WAY AUDIO

IP55

Flush Mount Kit



FINISH OPTIONS



APDSKPFMS - SILVER

Materials	ABS
Mount box Dimensions (mm)	210 x 101 x 25
Dimensions (mm)	244 x 126 (Frame)

- Compatible with APDSMW, APDSSWKP, APDSPXMW

Single Way Outdoor Station with Keypad



FINISH OPTIONS



APDSSWKP - SILVER

Materials	Aluminium Alloy
Mounting	Surface & Flush (requires APDSKPFMS) Mounted
Operating Voltage (V DC)	24 (BUS)
Effective Distance to PowerSupply (M)	50
Code Lengths	2 - 6
Viewing Angle (°)	70

- Waterproof IP55 metal outdoor station
- High resolution colour Camera
- Built in keypad for door code unlocking
- Simple 2 core cable installation

BUS POWERED

2 WAY AUDIO

IP55

Power Supply Unit



FINISH OPTIONS



APPOWSWDR - WHITE

Materials	ABS
Mounting	Surface or DIN Rail
Supply Voltage (V AC)	100 - 230
BUS Output	24V DC @ 800mA
Effective Distance to Doorstation (M)	50
Effective Distance to Monitor (M)	100

- Single Way system component
- 24V DC/800mA power output
- Dimensions 60mm(W)x90mm(H)x110mm(L)
- Only 1 power supply per system required

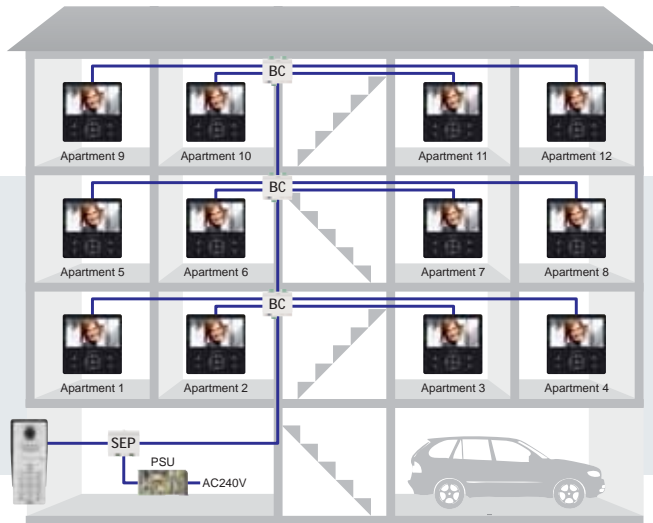
BUS POWERED

# APERTA

## Multi Way Video Door Entry

A flexible range of superb quality hands-free colour video door entry products specifically for installation in multiple apartments. Simplicity of installation is the key to Aperta multi way systems, supporting up to 32 apartments in one system and requiring only 2 wires throughout with all outdoor stations and monitors powered by a single power supply. The keypad multi way door station

allows both apartment calling plus door unlocking by passcode, no need for 2 separate keypads. The keypad apartment calling also means that no additional buttons or panels are required, keeping the installation simple, neat and compact. You really need look no further to find the ideal multi way door entry solution.

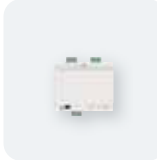




MULTI WAY DOOR STATION



COLOUR MONITORS



BRANCH CONTROLLER  
(A MAXIMUM OF 4 MONITORS TO 1 BRANCH CONTROLLER)



POWER BUS SEPARATOR  
(CONNECTS TO THE SYSTEM POWER SUPPLY & 1<sup>st</sup> BRANCH CONTROLLER)



SYSTEM POWER SUPPLY

### Multi Way Outdoor Station



FINISH OPTIONS



APDSMW - SILVER

APDSKPFMS - Flush Mount Kit

Materials	Aluminium Alloy
Mounting	Surface & Flush (requires APDSKPFMS) Mounted
Operating Voltage (V DC)	24 (BUS)
Effective Distance to PowerSupply (M)	50
Code Lengths	2 - 6
Viewing Angle (°)	70

- Waterproof IP55 metal multiway outdoor station
- High resolution colour Camera
- Built in keypad for door calling and code unlocking
- Simple 2 core cable installation
- Supports up to 32 apartments





### Multi Way Outdoor Station with Proximity Reader



FINISH OPTIONS



APDSPXMW - SILVER

APDSKPFMS - Flush Mount Kit  
EZT3ST10 - 10 x Proximity Tags

Materials	Aluminium Alloy
Mounting	Surface & Flush (requires APDSKPFMS) Mounted
Operating Voltage (V DC)	24 (BUS)
Effective Distance to PowerSupply (M)	50
Code Lengths	2 - 6
Reader Frequency (KHz)	125

- Waterproof IP55 metal multiway outdoor station
- High resolution colour camera
- Simple 2 core cable installation
- Supports up to 32 apartments
- Apartment calling, proximity & code unlocking
- Complete with 10 pre-registered user tags
- 10,000 user tags supported






**Multi Way Outdoor Station -  
Custom Apartment Addresses**

FINISH OPTIONS



SP1APDSMW - SILVER

Materials	Aluminium Alloy
Mounting	Surface & Flush (requires APDSKPFMS) Mounted
Operating Voltage (V DC)	24 (BUS)
Effective Distance to PowerSupply (M)	50
Code Lengths	2 to 6
Viewing Angle (°)	70
Audio	Full Duplex
Maximum Call-able Address	Subject to Requirement
Dimensions (mm)	200 x 87 x 53

- Waterproof IP55 metal multiway outdoor station
- High resolution colour Camera
- Built in keypad for door calling and code unlocking
- Simple 2 core cable installation
- Supports up to 32 apartments (custom apartment addresses)

**Multi Way Outdoor Station with Proximity Reader  
- Custom Apartment Addresses**

FINISH OPTIONS



SP1APDSPXMW - SILVER

Materials	Aluminium Alloy
Mounting	Surface & Flush (requires APDSKPFMS) Mounted
Operating Voltage (V DC)	24 (BUS)
Effective Distance to PowerSupply (M)	50
Code Lengths	2 to 6
Reader Frequency (KHz)	125
Viewing Angle (°)	70
Audio	Full Duplex
Maximum Call-able Address	Subject to Requirement
Dimensions (mm)	200 x 87 x 53

- Waterproof IP55 metal multiway outdoor station
- High resolution colour camera
- Simple 2 core cable installation
- Supports up to 32 apartments (custom apartment addresses)
- Capacitive keypad for apartment calling, proximity & code unlocking
- Complete with 10 pre-registered user tags
- 10,000 user tags supported



### Bus 4-Way Branch Controller



FINISH OPTIONS



APBC4MW - WHITE

Materials	ABS
Mounting	Surface & Flush (requires APDSKPFMS) Mounted
Operating Voltage (V DC)	24 (BUS)
Communication Protocol	4
Maximum Supported Devices	4
Dimensions (mm)	170 x 90 x 42

### Power Supply Unit



FINISH OPTIONS



APPOWMW - SILVER

Materials	Aluminium Alloy
Mounting	Surface
Supply Voltage (V AC)	100 - 230
Adjustable Voltage Range (V DC)	18 - 28
Effective Distance to Doorstation (M)	50
Effective Distance to Monitor (M)	100

### Bus Power Separator



FINISH OPTIONS



APSEPMW - WHITE

Materials	ABS
Mounting	Surface or DIN Rail
Operating Voltage (V DC)	24
BUS Output	Creates BUS for use with Aperta BUS systems
Effective Distance to Doorstation (M)	50
Effective Distance to Monitor (M)	100

### Door Entry Handset

FINISH OPTIONS



APAUDHBLK - BLACK

APAUDH - WHITE

Materials	ABS
Mounting	Surface
Operating Voltage (V DC)	24 (BUS)
Communication Protocol	BUS
User Interaction	Lock button
Audio	Full Duplex
Dimensions (mm)	245 x 78 x 50

- Suitable for Single or Multi way installations
- Simple 2 core cable installation
- Clear two-way audio
- Lock release facility
- Magnetic receiver holster
- Durable gloss casing

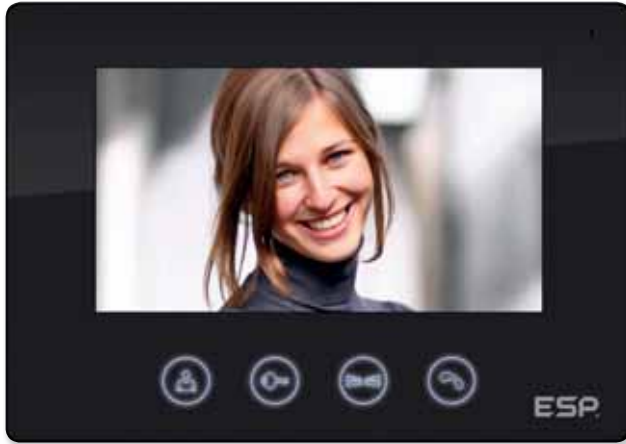
BUS  
POWERED

BUS  
POWERED

2 WAY  
AUDIO

Door Entry Monitor

FINISH OPTIONS



APMONB - BLACK

APMONW - WHITE

Materials	ABS
Mounting	Surface
Operating Voltage (V DC)	24 (BUS)
Effective Distance to PowerSupply (M)	100
Maximum Settable Address	32 (set by first 5 DIP Switches)
Adjustments	Volume, Brightness, and Contrast Dials
User Interaction	4 buttons
Audio	Full Duplex
Dimensions (mm)	152 x 215 x 18

- Simple 2 wire installation (Cat5 recommended)
- 7" TFT screen with clear high resolution colour picture
- Durable white or black casing

Door Entry Monitor with Record Facility

FINISH OPTIONS



APMONBG - BLACK

APMONWG - WHITE

Materials	ABS
Mounting	Surface
Operating Voltage (V DC)	24 (BUS)
Effective Distance to PowerSupply (M)	100
Maximum Settable Address	32 (set by menus)
Adjustments	Volume, Brightness, and Contrast Dials
User Interaction	Graphical User Interface 9 Buttons
Audio	Full Duplex
Dimensions (mm)	183 x 185 x 20

- 7" TFT screen with clear high resolution colour picture
- Simple 2 wire installation (Cat5 recommended)
- On screen menu, simple set up & customisation
- Still or video recording, playback of callers
- Durable white or black casing
- 4GB SD card included

Audio Only Door Entry Kit

FINISH OPTIONS



APKITA0 - WHITE



<b>Outdoor Station</b>	
Dimensions (mm)	150 x 85 x 60
Materials	ABS
Connection Type	DC Socket
Operating Voltage (V DC)	12
Ingress Protection	IP55
<b>Audio Handset</b>	
Dimensions (mm)	512 x 85 x 60
Mounting	Surface
Materials	ABS
Connection Type	DC Socket
Operating Voltage (V DC)	12
<b>Compatible Accessories</b>	
Accessories	Additional handset: (APKITA0H) and power supply unit (EVBP5BB)

- Simple 2 wire installation (Cat5 recommended)
- Durable/Weatherproof door station
- Clear 2 Way audio
- Lock release option
- Wiring distance up to 100 metres

Audio Only Handset

FINISH OPTIONS



APKITA0H - WHITE



Materials	ABS
Mounting	Surface
Operating Voltage (V DC)	12
Power Consumption (mA)	<=50
Connection Type	2.1mm x 5.5mm DC Socket
Lock Output	Normally Open Relay (Volt-Free)
Dimensions (mm)	512 x 85 x 60

- Additional handset for use with APKITA0
- Simple 2 wire installation (Cat5 recommended)
- Clear 2 Way audio
- Lock release option
- Wiring distance up to 100 metres



### Standalone External Proximity Keypad

FINISH OPTIONS



EZTAG3B - BLACK

EZTAG3 - SILVER



EZT3ST10 - 10 x Proximity Tags

125KHz

IP65

ANTI  
TAMPER

Capacity	Zone 1: 1000 Card/Tag Combi, Zone 2: 10 Card/Tag Combi
Fob Effective Distance (mm)	<50
Status Indication	Red/ Green LED
Pin Length	2 - 6 Digits
Relay Operation	NO/NC: 4A@30V DC
Relay Duration	01-99sec
Voltage	12V-24V AC/DC
Working Current	<60mA
Construction	Aluminium
Dimensions (mm)	150(H) x 44(W) x 24(D)
Operating Temperature (°C)	-20 to +50
Proximity Tags	10 (Supplied)

- Easy install, simple self-contained programming
- Up to 1,010 key tag holders or Pin numbers
- 2 separate user groups
- 2 relay outputs
- Anti-tamper option

Standalone Door Keypad Kit

FINISH OPTIONS



EZT3KB - BLACK  
EZT3K - SILVER

125KHz

IP65  
KEYPAD

Complete entry system in one box comprising of:

EZTAG3 or EZTAG3B	Proximity Door Entry Keypad
A1EXIT	Flush Push to Exit Release Button
A1ECP	Green Internal Emergency Call Point
EZT3ST10	Proximity Tags
A1ML250	Internal 250kg Holding Force Magnetic Lock
EVBPSBB	Power Supply Unit with Optional Battery Backup
<b>Compatible Accessories</b>	
Accessories	Range of power supply units, surface and flush locks.

- Backlit keypad
- Supplied with 10 proximity tags
- Aluminium Alloy Keypad
- Power supply unit provided

Standalone Door Keypad Kit

FINISH OPTIONS



EZT3KCB - BLACK  
EZT3KC - SILVER

125KHz

IP65  
KEYPAD

Complete entry system in one box comprising of:

EZTAG3 or EZTAG3B	Proximity Door Entry Keypad
EVEEXITC	Contactless Release Exit Button
A1ECP	Green Internal Emergency Call Point
EZT3ST10	Proximity Tags
A1ML250	Internal 250kg Holding Force Magnetic Lock
EVBPSBB	Power Supply Unit with Optional Battery Backup
<b>Compatible Accessories</b>	
Accessories	Range of power supply units, surface and flush locks.

- Backlit keypad
- Supplied with 10 proximity tags
- Aluminium Alloy Keypad
- Power supply unit provided

Standalone Door Keypad Kit

FINISH OPTIONS



EZT3KMB - BLACK  
EZT3KM - SILVER

Complete entry system in one box comprising of:

EZTAG3 or EZTAG3B	Proximity Door Entry Keypad
EVEEXITM	Push to Exit Mushroom Release Button
A1ECP	Green Internal Emergency Call Point
EZT3ST10	Proximity Tags
A1ML250	Internal 250kg Holding Force Magnetic Lock
EVBPSBB	Power Supply Unit with Optional Battery Backup
<b>Compatible Accessories</b>	
Accessories	Range of power supply units, surface and flush locks.

- Backlit keypad
- Supplied with 10 proximity tags
- Aluminium Alloy Keypad
- Power supply unit provided

Standalone External Door Keypad Kit

FINISH OPTIONS



EZT3KXTB - BLACK  
EZT3KXT - SILVER

Complete entry system in one box comprising of:

EZTAG3 or EZTAG3B	Proximity Door Entry Keypad
EVEEXITMIP55	Push to Exit IP55 Mushroom Release Button
EVEBGEXT2	IP67 Surface Green Emergency Resettable Call Point
EZT3ST10	Proximity Tags
A1ML300XT	External 300kg Holding Force Magnetic Lock
EVBPSBB	Power Supply Unit with Optional Battery Backup
<b>Compatible Accessories</b>	
Accessories	Range of power supply units, surface and flush locks.

- Backlit keypad
- Aluminium Alloy Keypad
- External mountable release button, call point and magnetic lock
- Supplied with 10 proximity tags
- Power supply unit provided

125KHz

IP65  
KEYPAD

125KHz

IP65  
KEYPAD

IP67  
ECP

IP55  
EXIT BUTTON

IP68  
MAGLOCK

### Trades Button with Timer

FINISH OPTIONS



EVTRT - BRUSHED STEEL

<b>Trades Button</b>	
Dimensions (mm)	85.5 x 85.5 x 43.5
Mounting	Surface Only
Operation Type	Mechanical Retractive Switch
Contact Type	SPDT
Materials	Stainless Steel
Ingress Protection	IP66
<b>Timer Module</b>	
Dimensions (mm)	90 x 17.8 x 63
Mounting	Surface Mounting or DIN Rail
Display	LCD
Available Operations	46
Switching Modes	ON, OFF, Pulse
Pulse length - Pulse function (switching time)	00:01 up to 59:59 mm:ss
Supply Voltage (V AC)	230
Total Switch Rating	230V AC, 16A @ 1.0pf
Compatible Accessories	
Enclosure	143602

- Stainless Steel Trades Entrance Button
- IP66 Ingress Protected Push Button
- Normally Open & Closed Contacts

### Trades Button

FINISH OPTIONS



EVTR - BRUSHED STEEL

Materials	Stainless Steel
Mounting	Surface Only
Relay/Contact Type	SPDT
Output Relay Rating	3A @ 250V AC
Output Type	Clean Contact
Operation Type	Mechanical Retractive Switch
Dimensions (mm)	85.5 x 85.5 x 43.5

- Stainless Steel Trades Entrance Button
- IP66 Ingress Protected Push Button
- Normally Open & Closed Contacts
- Clear Wording
- Includes Surface Mount Box and Security Screws
- 88 x 88 x 43mm (inc. Surface box)



### Mushroom Exit Button

FINISH OPTIONS



EVEEXITM - BRUSHED STEEL



UDTASMBSS - Assistance Alarm Surface Mount Box

Materials	Brushed Steel Fascia & ABS Button
Relay/Contact Type	Normally Open & Normally Closed
Output Relay Rating	3A @ 250V AC
Output Type	Clean Contact
Dimensions (mm)	87.5 x 87.5 x 35

- Large mushroom exit button
- Normally open & closed contacts
- Clear wording
- Surface mount box: UDTASMBSS
- 87.5 x 87.5 x 35mm
- 173g

### Flush Stainless Steel Exit Button

FINISH OPTIONS



A1EXIT - BRUSHED STEEL



Materials	Stainless Steel
Mounting	Surface or Flush (Surface Backbox not Included)
Relay/Contact Type	2 x SPST (Normally Open & Normally Closed)
Output Relay Rating	3A @125-250V AC
Dimensions (mm)	86 x 86 x 22

- Clear wording

### External Mushroom Exit Button

EVEEXITMIP55 - LIGHT GREY



UDTASMBSS - Assistance Alarm Surface Mount Box

Materials	ABS
Relay/Contact Type	Normally Open & Normally Closed
Output Relay Rating	3A @ 250V AC
Output Type	Clean Contact
Dimensions (mm)	85 x 80 x 85

- Large mushroom exit button
- IP55 Ingress protection
- Normally open & closed contacts
- Clear wording
- Robust housing (Includes surface mount box)
- 85mm x 80mm x 85mm

### Contactless Exit Button

FINISH OPTIONS



EVEEXITC - BRUSHED STEEL



UDTASMBSS - Assistance Alarm Surface Mount Box

Materials	Brushed Steel
Operating Voltage (V DC)	12
Relay/Contact Type	12 - 28V @ 3A
Output Relay Rating	3A
Detection Type	Infrared Sensor
Adjustable Infrared Proximity Sensor (mm)	10 - 100

- Contactless Exit Button
- Normally Open & Closed Contacts
- Worded "Exit" & "No Touch"
- 12V DC Input
- 12-28V, 3A Rated Contact
- Surface mount box: UDTASMBSS
- 86mm x 86mm x 29mm
- 0.25Kg



### Emergency Call Point

FINISH OPTIONS



A1ECP - GREEN



A1ECPKEY - Pack of 5

Materials	Fire Resistant ABS
Mounting	Surface or Flush (Surface Backbox Included)
Relay/Contact Type	Double Pole Double Throw
Output Relay Rating	3A @125-250V AC
Accessories	A1ECPKEY: 5 x Reset Keys A1ECPCLR: 5 x Plastic Covers
Supplied	Surface Backbox, Fixing Screws, Instructions, Reset Key

- RAL6016 Green emergency call point
- Resettable frangible element
- DPDT relays included
- Clear wording

### Fail Secure Strike Lock

FINISH OPTIONS



A1SL - SILVER



Materials	Aluminium Alloy
Mounting	Flush
Operating Voltage (V DC)	12
Power Consumption (mA)	240
Maximum Holding Force (Kg)	400
Dimensions (mm)	31 x 160 x 25

- For use with Yale type rim locks
- Fail secure lock
- Surface mount version available

### External Emergency Resettable Call Point

FINISH OPTIONS



EVEBGEXT2 - GREEN



EVEBGEXT2KEY - Pack of 10

Materials	Polycarbonate
Mounting	Surface Only
Relay/Contact Type	Double Pole Double Throw
Output Relay Rating	3A (12 to 24V DC & 125 to 250V AC)
Output Type	Clean Contact
Dimensions (mm)	89 x 89 x 72

- Surface mounted
- Emergency break glass to release door
- IP67 rated weather resistant external lock
- Double Pole Double Throw
- 3 x 20mm Threaded Holes
- 89mm x 89mm x 72mm

### Fail Secure Strike Lock

FINISH OPTIONS



A1SLS - SILVER



Materials	Aluminium Alloy
Mounting	Surface
Operating Voltage (V DC)	12
Power Consumption (mA)	250
Maximum Holding Force (Kg)	400
Dimensions (mm)	110 x 50 x 32

- For use with Yale type surface locks
- Fail secure lock
- Flush mount version available



**Magnetic Lock with Status LED**

FINISH OPTIONS



A1ML250 - SILVER



Materials	Aluminium Alloy
Mounting	Surface
Operating Voltage (V DC)	12 & 24
Power Consumption (mA)	430 @12V, 250 @24V
Maximum Holding Force (Kg)	250
Dimensions (mm)	48 x 250 x 27

**External Magnetic Lock with Brackets**

FINISH OPTIONS



A1ML300XT - SILVER



Materials	Aluminium Alloy
Mounting	Surface
Operating Voltage (V DC)	12 & 24
Power Consumption (mA)	480 @12V, 290 @24V
Maximum Holding Force (Kg)	300
Dimensions (mm)	47 x 220 x 28

**Boxed Lock Power Supply With Battery Backup**

FINISH OPTIONS



EVBPSBB - GREY

Backup battery facility (Battery not included)



Materials	ABS
Mounting	Surface
Operating Voltage (V AC)	100 - 230
Number of Outputs	2
Constant Output	12V @ 1A
Lock output	12V DC @ 1.5A

**Z & L Brackets**

A1ML250ZL



**5 x Plastic Covers for A1ECP**

A1ECPCVR



**Pack of 5 Keys for A1ECP**

A1ECPKEY



**10 Proximity Tags for EZTAG3**

EZT3ST10



**10 keys for EVEBGEXT2**

EVEBGEXT2KEY



**10 Proximity Tags for A1IPVDS & A1IPDSM1**

A1IPT10





## ClickSmart<sup>+</sup>

ESP's Fort products are compatible with the Click Smart+ app.

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Simple, smart solutions for a safer and more comfortable home. Discover a whole range of smart home products, with absolutely no additional subscriptions required.

From smart alarm kits, smart cameras, smart sensors and smart door bells, all working together to make your home smarter and safer.

# FORT

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# SMART SECURITY

Smart Alarm Kit 3



FINISH OPTIONS



ECSPK3 - WHITE



Complete Smart Alarm Kit in one box comprising of:

ECSPHB	Smart Alarm Hub with Backup Battery
ECSPPIR	Smart Alarm PIR
ECSPCT	Smart Alarm Door/Window Contact
ECSPRC	Smart Alarm Remote Control

- Wi-Fi Enabled with GSM Back-up Facility
- Activations and Monitoring Supported via APP
- No Additional Subscriptions or Fees Required
- Built-in backup Battery, with up to 8 hours standby time
- 80 Metre Open Field RF Transmission

Smart Alarm Kit 5



FINISH OPTIONS



ECSPK5 - WHITE



Complete Smart Alarm Kit in one box comprising of:

ECSPHB	Smart Alarm Hub with Backup Battery
ECSPPET	Smart Alarm Pet PIR
ECSPCT	Smart Alarm Door/Window Contact
ECSPRC	Smart Alarm Remote Control

- Wi-Fi Enabled with GSM Back-up Facility
- Activations and Monitoring Supported via APP
- No Additional Subscriptions or Fees Required
- Built-in backup Battery, with up to 8 hours standby time
- 80 Metre Open Field RF Transmission

Smart Alarm Kit 4



FINISH OPTIONS



ECSPK4 - WHITE



Complete Smart Alarm Kit in one box comprising of:

ECSPHB	Smart Alarm Hub with Backup Battery
ECSPPIR	Smart Alarm PIR
ECSPCT	Smart Alarm Door/Window Contact
ECSPRC	Smart Alarm Remote Control

- Wi-Fi Enabled with GSM Back-up Facility
- Activations and Monitoring Supported via APP
- No Additional Subscriptions or Fees Required
- Built-in backup Battery, with up to 8 hours standby time
- 80 Metre Open Field RF Transmission

Smart Alarm Kit 6



FINISH OPTIONS



ECSPK6 - WHITE



Complete Smart Alarm Kit in one box comprising of:

ECSPHB	Smart Alarm Hub with Backup Battery
ECSPPET	Smart Alarm Pet PIR
ECSPCT	Smart Alarm Door/Window Contact
ECSPRC	Smart Alarm Remote Control

- Wi-Fi Enabled with GSM Back-up Facility
- Activations and Monitoring Supported via APP
- No Additional Subscriptions or Fees Required
- Built-in backup Battery, with up to 8 hours standby time
- 80 Metre Open Field RF Transmission

Smart Alarm Hub with Backup Battery

FINISH OPTIONS



ECSPHB - WHITE

Materials	ABS
Operating Voltage (V DC)	12
Battery Specification	7.4V 600mAh Lithium Polymer
Power Reserve	8 Hours (Approx.)
Router Transmission Frequency (GHz)	2.4 (IEEE 802.11 b/g/n)
Transmission Frequency (MHz)	433
Open Air Wireless Range (m)	80
Maximum Devices	32
Sounder Output (db)	95
Dimensions (mm)	109.5 x 109.5 x 40

- Wi-Fi enabled with GSM backup facility
- Activations and monitoring supported via APP
- Built-in siren (95dB)
- Built-in backup Battery, with up to 8 hours standby time
- Sim card not included
- No subscription or additional fees required
- 2.4GHz Wi-Fi connection required

Smart Alarm Pet PIR

FINISH OPTIONS



ECSPPET - WHITE

Materials	ABS
Mounting	Surface
Operating Voltage (V DC)	3
Power Consumption (A)	0.0095
Battery Type	AA (LR06) x 2 (Supplied)
Power Reserve	12 Months (Approx.)

- Battery powered (supplied)
- Tamper protection
- Low power indication
- Pet friendly < 25Kg
- Detection coverage: 8m/110°
- Requires smart alarm hub (ECSPHB)



Smart Alarm PIR

FINISH OPTIONS



ECSPPIR - WHITE

Materials	ABS
Mounting	Surface
Operating Voltage (V DC)	3
Power Consumption (A)	0.0095
Battery Type	AA (LR06) x 2 (Supplied)
Power Reserve	12 Months (Approx.)

- Battery powered (supplied)
- Tamper protection
- Low power indication
- Detection coverage: 8m/110°
- Requires smart alarm hub (ECSPHB)



### Smart Alarm Booster

FINISH OPTIONS



ECSPBST - WHITE

Materials	ABS
Operating Voltage (V DC)	5 (USB)
Battery Specification	3.7V 300mAh Lithium
Power Consumption (mA)	<30
Transmission Frequency (MHz)	433
Open Air Wireless Range (m)	80

- USB powered with Rechargeable backup battery
- Requires smart alarm hub (ECSPHB)

433MHz

Li-ION

### Smart Alarm Keypad

FINISH OPTIONS



ECSPKY - WHITE

Materials	ABS
Mounting	Surface
Operating Voltage (V DC)	4.5
Power Consumption (A)	0.06
Battery Type	AAA (LR03) x 3 (Supplied)
Power Reserve	12 Months (Approx.)

- Battery powered (supplied)
- Tamper protection
- Low power indication
- Disarm, home mode and panic function (arm via fob)
- Supports up to 50 proximity tags (ECSPPX)
- Requires smart alarm hub (ECSPHB)

BATTERY POWERED

433MHz

### Smart Alarm Contact

FINISH OPTIONS



ECSPCT - WHITE

Materials	ABS
Mounting	Surface
Operating Voltage (V DC)	3
Power Consumption (A)	0.015
Battery Type	CR2450 (Supplied)
Power Reserve	12 Months (Approx.)

- Battery powered (supplied)
- Tamper protection
- Low power indication
- Suitable for doors & windows
- Requires smart alarm hub (ECSPHB)

433MHz

BATTERY POWERED

### Smart Alarm Vibration Sensor

FINISH OPTIONS



ECSPVS - WHITE

Materials	ABS
Operating Voltage (V DC)	3
Mounting	Surface
Sensitivity	300Hz to 3KHz
Operating Voltage (V DC)	3
Battery Type	CR2450 (Supplied)

- Battery powered (supplied)
- Low power indication
- Requires smart alarm hub (ECSPHB)

BATTERY POWERED

433MHz

### Smart Alarm SOS Button



FINISH OPTIONS



ECSPSOS - BLACK

Materials	ABS
Operating Voltage (V DC)	3
Battery Type	CR 2025
Power Reserve	12 Months (Approx.)
Transmission Frequency (MHz)	433
Open Air Wireless Range (m)	80

- Battery powered (supplied)
- Low power indication
- Raise an alert instantly
- Requires smart alarm hub (ECSPHB)



433MHz

### Smart Alarm Proximity Tag



FINISH OPTIONS



ECSPPX - BLACK

Materials	ABS
Transmission Frequency (KHz)	125
Dimensions (mm)	35 x 23 x 3

- 2 Pack
- Arm and disarm the system via proximity
- Requires Smart Alarm Hub & Keypad (ECSPHB & ECSPKY)

125KHz

### Smart Alarm Remote Control



FINISH OPTIONS



ECSPRC - BLACK

Materials	ABS
Operating Voltage (V DC)	3
Battery Type	CR 2025
Power Reserve	12 Months (Approx.)
Transmission Frequency (MHz)	433
Open Air Wireless Range (m)	80

- Battery powered (supplied)
- Low power indication
- Arm, disarm, home mode and panic function
- Requires smart alarm hub (ECSPHB)



433MHz



**External Smart Siren  
Mains Powered**



FINISH OPTIONS



**ECSPXSW - WHITE**

ECSP3350B - Replacement 3.7V 3350mAh 18650 Battery

Materials	ABS
Operating Voltage (V DC)	12
Battery Specification	3.7V 2200 mAh 18650 Lithium-Ion (Rechargeable)
Power Reserve	1 Month (Approx.)
Transmission Frequency (MHz)	433
Open Air Wireless Range (m)	80

- Built-In Siren (105dB) and LED Indication
- Tamper protection
- Low power indication
- Suitable for outdoor use (IP44 ingress protection)
- Power reserve with up to 1 month standby
- Requires smart alarm hub (ECSPHB)



**External Smart Siren  
Solar Powered**



FINISH OPTIONS



**ECSPXS - WHITE**

ECSP3350B - Replacement 3.7V 3350mAh 18650 Battery

Materials	ABS
Primary Power Source	Solar
Battery Specification	3.7V 2200 mAh 18650 Lithium-Ion (Rechargeable)
Power Reserve	1 Month (Approx.)
Transmission Frequency (MHz)	433
Open Air Wireless Range (m)	80

- Built-In Siren (105dB) and LED Indication
- Tamper protection
- Low power indication
- Suitable for outdoor use (IP44 ingress protection)
- Power reserve with up to 1 month standby
- Requires smart alarm hub (ECSPHB)



**Smart Thermostat & Receiver**

FINISH OPTIONS



**ECSPST - WHITE**

<b>Thermostat</b>	
Dimensions (mm)	100 x 100 x 22
Mounting	Wall or Desk Mounted
Battery Type	AA (LR06) x 2
Transmission Frequency (MHz)	868
Maximum Communication Range (m)	100
Programming Schedule	7 Day, 5/2 Day and 5/1/1 Day
Set Temperature Range (°C)	5 to 35
Temperature Display Range (°C)	0 to 50
<b>Receiver</b>	
Dimensions (mm)	86 x 86 x 28.5
Mounting	Surface
Supply Voltage (V AC)	100 - 240
Connection Type	Flylead or Mains Adaptor (Supplied)
Output Relay Rating	8A @ 250V AC
Router Transmission Frequency (GHz)	2.4
Wireless Range - Open Field (m)	100

- Wi-Fi Controlled Thermostat
- Remote Monitoring and Scheduling
- Multiple Energy Saving Features
- Clear LED Display and Manual Controls
- 2.4GHz Wi-Fi Connection Required



Wi-Fi Smart Security Camera with Flood Lights

FINISH OPTIONS



2MP

CLICK SMART+ APP

WIFI

IP65

ECSPCAMFLB - BLACK  
ECSPCAMFLW - WHITE

Materials	ABS & Aluminium Alloy
Operating Voltage (V AC)	110 - 220
Power Consumption (W)	<25
Effective Pixels	2MP (1920 X 1080)
Viewing Angle (°)	110
Storage Type	Micro SD Card
Colour Temperature (K)	5000
Floodlight Output (Lm)	2000
Router Transmission Frequency (GHz)	2.4 (IEEE 802.11 b/g/n)
Dimensions (mm)	283 x 133 x 184

- 8GB microSD card included
- Motion activated video record
- No subscription or additional fees required
- 10m infrared LED illumination
- Clear two-way audio
- Remotely activate or dim LED lamp

Wi-Fi Smart Security Camera with Spot Lights

FINISH OPTIONS



2MP

CLICK SMART+ APP

WIFI

IP65

ECSPCAMSLB - BLACK  
ECSPCAMSLW - WHITE

Materials	ABS & Aluminium Alloy
Operating Voltage (V AC)	110 - 220
Power Consumption (W)	<25
Effective Pixels	2MP (1920 X 1080)
Viewing Angle (°)	110
Storage Type	Micro SD Card
Colour Temperature (K)	5000
Floodlight Output (Lm)	2500
Router Transmission Frequency (GHz)	2.4 (IEEE 802.11 b/g/n)
Dimensions (mm)	258 x 188 x 184

- 8GB microSD card included
- Motion activated video record
- No subscription or additional fees required
- 10m infrared LED illumination
- Clear two-way audio
- Remotely activate or dim LED lamp

### Smart Indoor Camera



FINISH OPTIONS



ECSPCAM - WHITE

Materials	ABS
Operating Voltage (V DC)	5 (Micro-USB)
Power Consumption (A)	1
Effective Pixels	2MP (1920 X 1080)
Viewing Angle (°)	85
Storage Type	Micro SD Card

- 8GB microSD card included
- Motion activated video record
- No subscription or additional fees required
- 10m infrared LED illumination
- Clear two-way audio
- Supplied with micro USB cable & USB adapter
- 2.4GHz Wi-Fi connection required



### Battery Powered 4MP WiFi External Camera



FINISH OPTIONS



ECCXT2K - WHITE

Materials	ABS & Polycarbonate
Battery Specification	3.7V 5250mAh Lithium-Ion (Rechargeable)
Battery Charge Time (Hours)	<8
Charging Port	USB C
Effective Pixels	4MP (2560 x 1440)
Viewing Angle (°)	108.7

- 8GB microSD card included
- Motion activated video record
- No subscription or additional fees required
- 8m to 10m infrared LED illumination
- Clear two-way audio
- Mounting bracket included for easy installation
- Supplied with USB C cable & USB adapter
- 2.4GHz Wi-Fi connection required



### Smart Indoor Pan and Tilt Camera



FINISH OPTIONS



ECSPCAMPT - WHITE

Materials	ABS
Operating Voltage (V DC)	5 (Micro-USB)
Power Consumption (A)	1
Effective Pixels	2MP (1920 X 1080)
Viewing Angle (°)	140
Storage Type	Micro SD Card

- 8GB microSD card included
- Motion activated video record
- No subscription or additional fees required
- 5m infrared LED illumination
- Clear two-way audio
- 355° pan and 180° tilt remote control function
- Motion tracking
- 2.4GHz Wi-Fi connection required



**Battery Powered 4MP WiFi Doorbell**



FINISH OPTIONS



ECDB2K - WHITE

Materials	ABS & Polycarbonate
Battery Specification	3.7V 5250mAh Lithium-Ion (Rechargeable)
Battery Charge Time (Hours)	<8
Charging Port	USB C
Viewing Angle (°)	126
Storage Type	Micro SD Card

- 8GB microSD card included
- Motion activated video record
- Low power indication
- No subscription or additional fees required
- Clear two-way audio
- 5m infrared LED illumination
- Plug-in RF chime included
- 2.4GHz Wi-Fi connection required



**Smart Plug-In Socket**



FINISH OPTIONS



ECSPSP - WHITE

Materials	Polycarbonate
Operating Voltage (V AC)	100 - 240
Consumption (Standby Mode)(mA)	<10
Output Type	1 x UK Mains socket, 2 x USB-A Ports, 1 x USB-C Port
Output Ratings	UK Socket: 13A, USB Outputs: 5V DC @2.4A (Combined Total)
Maximum Output Load (W)	3120

- Wi-Fi controlled mains (13A) & USB sockets
- Control and schedule through APP
- Automate with other Click Smart+ devices
- 2.4GHz Wi-Fi connection required
- Switch Mains & USB Sockets on/off separately





## Time switches & heating controls

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Our reputation for quality and reliability is unrivalled. Sangamo offer a wide range of time switches and heating controls for domestic, commercial and industrial use.

# SANGAMO

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262	CHOICE PLUS PROGRAMMERS
264	CHOICE PROGRAMMERS
266	CHOICE PLUS THERMOSTATS
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# TIME SWITCHES & HEATING CONTROLS



## Choice Plus Programmers

For certain properties a simple programmer to activate the heating or hot water is all that is required. A Choice+ Programmer allows the occupant to specify when a call for heat is made in order to match their lifestyle and ensuring energy efficiency.

There is an option of 1 to 3 channel programmers in order to suit the system application; from single channel control suitable for combi boilers, to double control for independent heating and hot water, and finally a 3-channel option for when 2 heating zones are required.

In addition, each Choice+ Programmer has a selectable Service Interval function, which assists with compliance to the Gas Safety Regulations requiring landlords to carry out annual gas safety checks on appliances in rented properties.

## 2 Channel Programmer

FINISH OPTIONS



CHPPR2 - WHITE

CHPPR2B - BLACK

CHPPR2S - SILVER



Materials	ABS
Mounting	Surface Only
Supply Voltage (V AC)	230
Heating System	Gravity or Pumped
Programming Schedule	24 Hour, 5/2 Day and 7 Day Programmable
Available Operations	2 or 3 ON/OFF Periods

- Holiday mode
- Pre-programmed schedule ready for use
- Summer/winter time change
- Backlit display
- Optional service interval function
- 2A switch rating 240VAC



## 1 Channel Programmer

FINISH OPTIONS



CHPPR1 - WHITE

CHPPR1B - BLACK

CHPPR1S - SILVER



Materials	Thermoplastics, Flame Retardant
Mounting	Surface Only
Supply Voltage (V AC)	230
Heating System	Pumped Only
Programming Schedule	24 Hour, 5/2 Day and 7 Day Programmable
Available Operations	2 or 3 ON/OFF Periods

- Holiday mode
- Pre-programmed schedule ready for use
- Summer/winter time change
- Backlit display
- Optional service interval function
- 2A switch rating 240VAC

## 3 Channel Programmer

FINISH OPTIONS



CHPPR3 - WHITE

CHPPR3B - BLACK

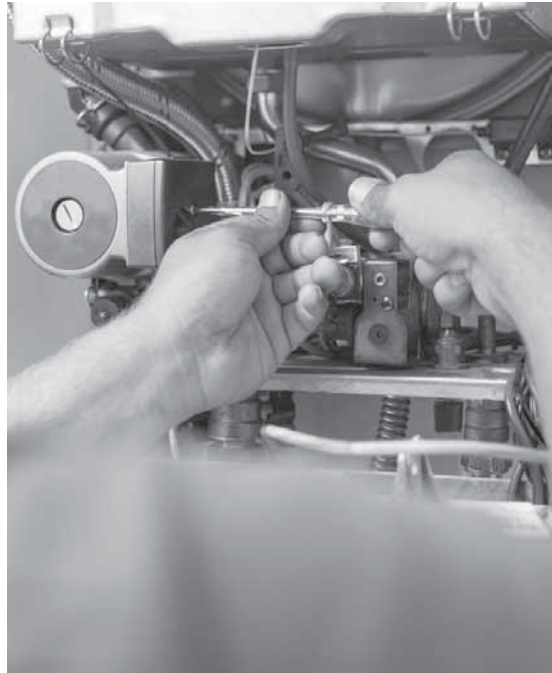
CHPPR3S - SILVER



Materials	ABS
Mounting	Surface Only
Supply Voltage (V AC)	230
Heating System	Pumped Only
Programming Schedule	24 Hour, 5/2 Day and 7 Day Programmable
Available Operations	2 or 3 ON/OFF Periods

- Holiday mode
- Pre-programmed schedule ready for use
- Summer/winter time change
- Backlit display
- Optional service interval function
- 2A switch rating 240VAC





## Choice Programmers

Programmers are a key component of heating control systems. Since many homes are unoccupied for parts of the day, there is little point in heating them if no one is there to benefit. A programmer allows the occupant to specify when the heating comes on to match their lifestyle and their heating requirements.

For many people in the UK, this simply means firing up the heating in the winter months for a couple of hours in the morning, so the house is warm when they wake up, and then firing the heating up again in the evening so the house is warm when they get home until they go to bed.

### 1 Channel Programmer

FINISH OPTIONS



CHOICE PR1n - WHITE



Materials	Thermoplastics, Flame Retardant
Mounting	Surface Only
Supply Voltage (V AC)	100 - 240
Heating System	Pumped Only
Programming Schedule	24 Hour, 5/2 Day and 7 Day Programmable
Available Operations	2 or 3 ON/OFF Periods
Modes Available	On, Off, Auto, All Day

- Advance to next programmed event
- Holiday mode
- Automatic summer/winter time change

### 2 Channel Programmer

FINISH OPTIONS



CHOICE PR2n - WHITE



Materials	Thermoplastics, Flame Retardant
Mounting	Surface Only
Supply Voltage (V AC)	100 - 240
Heating System	Pumped or Gravity
Programming Schedule	24 Hour, 5/2 Day and 7 Day Programmable
Available Operations	2 or 3 ON/OFF Periods

- Advance to next programmed event
- Holiday mode
- Automatic summer/winter time change

### 3 Channel Programmer

FINISH OPTIONS



CHOICE PR3n - WHITE



Materials	Thermoplastics, Flame Retardant
Mounting	Surface Only
Supply Voltage (V AC)	100 - 240
Heating System	Pumped Only
Programming Schedule	24 Hour, 5/2 Day and 7 Day Programmable
Available Operations	2 or 3 ON/OFF Periods

- Advance to next programmed event
- Holiday mode
- Automatic summer/winter time change



## Choice Plus Thermostats

A Choice+ room thermostat regulates and maintains a desirable temperature throughout the home by calling for heat as the temperature varies throughout the day. Choice+ thermostats include TPI feature to ensure a maintained temperature by analysis of the heating and cooling periods. Choice+ programmable thermostats include Optimum Start and Delayed Stop for additional efficiency, heating and

cooling for the time programmed.

These features combine to offer the best in heating comfort and energy efficiency when compared to traditional On/Off thermostats.

For installation convenience Choice+ wireless thermostats are available if a hardwired connection is not available in the intended location.



## HEATING CONTROLS - CHOICE PLUS THERMOSTATS

### Electronic Thermostat

#### FINISH OPTIONS



**CHPRSTAT** - WHITE

**CHPRSTATB** - BLACK

**CHPRSTATS** - SILVER



Materials	ABS
Mounting	Surface Only
Supply Voltage (V AC)	230
Sensor Type	Electronic Sensor for Accurate and Responsive Performance
Set Temperature Range (°C)	5 to 30
Output Type	SPST, Switched Live

- Large temperature adjustment dial
- Call for heat indication LED
- 0.5°C and 1°C temperature swing adjustment
- Energy efficiency: ERP class 4, 2% value

TPI

4  
+2%  
ERP CLASS

### Tamperproof Electronic Thermostat

#### FINISH OPTIONS



**CHPRSTATT** - WHITE

**CHPRSTATTB** - BLACK

**CHPRSTATTS** - SILVER



Materials	ABS
Mounting	Surface Only
Tamper Resistant	Yes (Tamper Resistance Cover with Security Torx Screw)
Supply Voltage (V AC)	230
Sensor Type	Electronic Sensor for Accurate and Responsive Performance
Set Temperature Range (°C)	5 to 30

- Large temperature adjustment dial
- Call for heat indication LED
- 0.5°C and 1°C temperature swing adjustment
- Energy efficiency: ERP class 4, 2% value

TPI

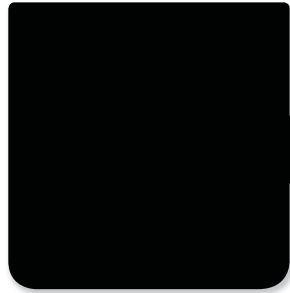
4  
+2%  
ERP CLASS

### Digital Thermostat

FINISH OPTIONS



- CHPRSTATD** - WHITE
- CHPRSTATDB** - BLACK
- CHPRSTATDS** - SILVER



TPI

4  
+2%  
ERP CLASS

Materials	ABS
Mounting	Surface Only
Operating Voltage (V DC)	3 (2 x AA Batteries)
Sensor Type	Electronic Sensor for Accurate and Responsive Performance
Set Temperature Range (°C)	5 to 30
Output Type	SPDT, Volt-Free

- Large dial with digital display
- Comfort/economy or on/off modes
- Battery powered with low indication status
- 0.5°C and 1°C temperature swing adjustment
- 5°C frost protection
- Energy efficiency: ERP class 4, 2% value



### Wireless Digital Thermostat

FINISH OPTIONS



- CHPRSTATDRF** - WHITE
- CHPRSTATDRFB** - BLACK
- CHPRSTATDRFS** - SILVER

<b>Thermostat</b>	
Materials	ABS
Mounting	Surface or Flush (Surface backbox included)
Operating Voltage (V DC)	3 (2 x AA)
Set Temperature Range (°C)	5 to 30
Adjustment Type	Dial
Modes Available	Comfort / Economy or On/Off
Transmission Frequency (MHz)	433
Wireless Range - Open Field (m)	80
Dimensions	88 x 88 x 39.4
<b>Receiver</b>	
Materials	ABS
Supply Voltage (V AC)	230
Mounting	Surface or Flush (Surface backbox included)
IEC Protection Class	II
Output Relay Rating	16A (@250V AC) Volt Free Contact
Dimensions	86 x 88 x 38

- Large Dial with Digital Display
- Wireless Communication Between Thermostat and Receiver
- Electronic Sensor for Accurate and Responsive Performance
- TPI (Time Proportional & Integral) Control for Heating Efficiency
- Comfort/Economy or ON/OFF Modes
- Battery Powered with Low Indication Status (Batteries Supplied)
- 5°C to 30°C Set Temperature Range
- 0.5°C and 1°C Temperature Swing Adjustment
- 5°C Frost Protection

RF  
WIRELESS

4  
+2%  
ERP CLASS

TPI

**Programmable Room Thermostat**



FINISH OPTIONS



- CHPRSTATDP - WHITE
- CHPRSTATDPB - BLACK
- CHPRSTATDPS - SILVER

Materials	ABS
Mounting	Surface Only
Operating Voltage (V DC)	6 (4 x AAA Batteries)
Sensor Type	Electronic Sensor for Accurate and Responsive Performance
Set Temperature Range (°C)	5 to 35
Available Operations	Up to 6 per Day

- 24 or 7 day programmable
- Permanent, timed and temporary override features
- Pre-programmed schedule ready for use
- Summer/winter time change
- 0.5°C and 1°C temperature swing adjustment
- 5°C frost protection
- Receiver 16A switch rating 240VAC
- Energy efficiency: ERP class 4, 2% value

**Wireless Digital Programmable Thermostat**

FINISH OPTIONS



- CHPRSTATDPRF - WHITE
- CHPRSTATDPRFB - BLACK
- CHPRSTATDPRFS - SILVER

<b>Thermostat</b>	
Materials	ABS
Mounting	Surface or Free Standing
Operating Voltage (V DC)	6 (4 x AA)
Set Temperature Range (°C)	5 to 35
Adjustment Type	Buttons
Modes Available	3 (Permanent, Timed, and Temporary Override)
Transmission Frequency (MHz)	868
Wireless Range - Open Field (m)	80
Dimensions	140 x 88.6 x 32.1
<b>Receiver</b>	
Materials	ABS
Supply Voltage (V AC)	230
Mounting	Surface or Flush (Surface backbox included)
IEC Protection Class	II
Output Relay Rating	16A (@250V AC) Volt Free Contact
Dimensions	88 x 88 x 39.4

- Wireless Communication Between Thermostat and Receiver
- 24 or 7 Day Programmable
- 6 Time/Temperature Events per Day
- Pre-Programmed Schedule Ready for Use
- Electronic Sensor for Accurate and Responsive Performance
- TPI (Time Proportional & Integral) Control for Heating Efficiency
- Optimum Start/ Delay Start and Optimum Stop for Additional Efficiency
- Battery Powered with Low Indication Status (Batteries Supplied)
- Summer/Winter Time Change

BACKLIT DISPLAY

OPTIMISATION

TPI

4 +2% ERP CLASS

RF WIRELESS

BACKLIT DISPLAY

4 +2% ERP CLASS

TPI

OPTIMISATION



### Wireless 3 Channel Digital Heating and Hot Water Thermostat

FINISH OPTIONS



CHSTAT3CHK - WHITE

Thermostat	
Materials	ABS & PC
Mounting	Surface or Free Standing
Operating Voltage (V DC)	5 (2 x AA)
Set Temperature Range (°C)	5 to 35
Adjustment Type	Digital Programming with Digital Display or Click Smart + App
Modes Available	Manual, Schedule & Eco (Heat), On/Off, Schedule & Boost (Water)
Transmission Frequency (MHz)	433
Wireless Range - Open Field (m)	120
Dimensions	125 x 98 x 23.5 (Wall Mounted), 125 x 98 x 34.2 (Free Standing)
Receiver	
Materials	ABS & PC
Supply Voltage (V AC)	230
Mounting	Surface
IEC Protection Class	II
Output Relay Rating	230V AC @ 5(2)A each. Maximum 10A combined on all 3 channels
Dimensions	130 x 95 x 31

- Complete with 2 RF programmable thermostats, to control the hot water and 2 heating zones
- Receiver complete with 3 independent channels
- Wi-Fi connectivity via the Click Smart+ APP
- Remote Monitoring and Scheduling
- Large backlit display screen with touch buttons for ease of use
- 2.4GHz Wi-Fi Connection Required

### Smart Thermostat & Receiver

FINISH OPTIONS



CHPWIFI - WHITE

Thermostat	
Dimensions (mm)	100 x 100 x 22
Mounting	Wall or Desk Mounted
Battery Type	AA (LR06) x 2
Transmission Frequency (MHz)	868
Maximum Communication Range (m)	100
Programming Schedule	7 Day, 5/2 Day and 5/1/1 Day
Set Temperature Range (°C)	5 to 35
Temperature Display Range (°C)	0 to 50
Receiver	
Dimensions (mm)	86 x 86 x 28.5
Mounting	Surface
Supply Voltage (V AC)	100 - 240
Connection Type	Flylead or Mains Adaptor (Supplied)
Output Relay Rating	8A @ 250V AC
Router Transmission Frequency (GHz)	2.4
Wireless Range - Open Field (m)	100

- Wi-Fi Controlled Thermostat
- Remote Monitoring and Scheduling
- Multiple Energy Saving Features
- Clear LED Display and Manual Controls
- 2.4GHz Wi-Fi Connection Required





## Choice Thermostats

A room thermostat is used to regulate and maintain a desirable temperature throughout the home. It works by switching the heating system on and off as the temperature varies throughout the day.

For example, if the temperature drops below a certain level, a sensor in the room thermostat can be made to trigger the switch for the boiler and pump which will heat the radiators and in turn, the rooms in the home. If the room rises above a certain temperature, the thermostat will then turn off the central heating system so that your house will cool down to its desired temperature once more.

## Mechanical Thermostat

FINISH OPTIONS



CHOICE RSTAT1 - WHITE



Materials	ABS
Mounting	Surface Only
Sensor Type	Dual Mechanical Diaphragm
Set Temperature Range (°C)	10 to 30
Output Type	SPDT, Volt-Free; NO, COM & NC
Total Switch Rating	10 (3) A

- 2 Wire installation
- Three terminal heating/cooling changeover

## Tamperproof Mechanical Thermostat

FINISH OPTIONS



CHOICE RSTAT1T - WHITE



Materials	ABS
Mounting	Surface Only
Sensor Type	Dual Mechanical Diaphragm
Set Temperature Range (°C)	10 to 30
Output Type	SPDT, Volt-Free; NO, COM & NC
Total Switch Rating	10 (3) A

- 2 Wire installation
- Three terminal heating/cooling changeover
- Complete with tamperproof cover



## Digital Thermostat

FINISH OPTIONS



CHOICE RSTAT3 - WHITE



Materials	ABS
Mounting	Surface Only
Operating Voltage (V DC)	3 (2 x AA Batteries)
Sensor Type	Electronic
Set Temperature Range (°C)	5 to 30
Output Type	SPDT, Volt-Free; NO, COM & NC

- 2 Wire installation
- LCD showing room temperature
- Comfort/economy or on/off modes
- Frost protection
- Battery powered (with battery low indication)



### Wireless Digital Thermostat



FINISH OPTIONS



CHOICE RSTAT3RF - WHITE

Thermostat	
Materials	ABS
Mounting	Surface
Operating Voltage (V DC)	3 (2 x AA)
Set Temperature Range (°C)	5 to 30
Output Type	SPDT, Volt-Free; NO, COM & NC

- Unique RF address to avoid interference
- Clear LCD display showing room temperature
- Large control dial
- Frost protection



### Frost Thermostat



FINISH OPTIONS



CHOICE FSTAT1 - WHITE

Materials	ABS
Mounting	Surface
Supply Voltage (V AC)	230
Sensor Type	Bi-Metallic Sensing Element
Set Temperature Range (°C)	-5 to 30
Output Type	SPDT, Volt-Free; NO, COM & NC

- Suitable for surface or switch box mounting
- Tamper resistant cover fitted with accelerator heater

### Wireless Digital Programmable Thermostat



FINISH OPTIONS



CHOICE RSTAT5RF - WHITE

Thermostat	
Materials	ABS
Mounting	Surface or Free Standing
Operating Voltage (V DC)	6 (4 x AAA)
Set Temperature Range (°C)	5 to 35
Output Type	SPDT, Volt-Free; NO, COM & NC

- Economy and Comfort Operation
- Unique RF address to avoid interference
- 24 hour or 7 day programmable
- 6 programmable events per day
- Button press back-lit operation
- Frost protection



### Cylinder Thermostat



FINISH OPTIONS



CHOICE CSTAT - WHITE

Materials	ABS
Mounting	Plastic coated spring wire (1800mm) with hooks
Sensor Type	Capillary Sensor
Set Temperature Range (°C)	0 to 90
Temperature Differential (°C)	Approx. 4 ± 2
Output Type	SPST Type 1CL, Volt-Free

- Easy fixing to all hot water cylinders
- Suitable for use on uninsulated and foam lagged cylinders
- Cylinder strap and hooks provided
- Pipe mounting attachment included

## Powersaver Plus Timers

The primary application for the POWERSAVER+ is to control immersion heaters. In a typical UK household nearly 20% of a home's energy cost is spent on heating hot water. Leaving an immersion heater on all the time can be a significant waste of energy that can drive this figure up to 25% or higher. The automatic control

of a POWERSAVER+ can save on fuel expenditure and energy wastage when the user may forget.

Amongst a wide range of applications, the POWERSAVER+ models are also suitable for combi boilers, panel heaters, lighting including LED and towel rails.



## HEATING CONTROLS POWERSAVER PLUS TIMERS

### Electronic Boost Controller with Single Button Operation

#### FINISH OPTIONS



**PSPB** - WHITE

**PSPBB** - BLACK

**PSPBS** - SILVER



Materials	ABS
Mounting	Single Pattress – Surface and Flush Mounting
Supply Voltage (V AC)	220 - 240
Display	LEDs for boost status
Selectable Boost Durations	30 Minutes, 1 Hour or 2 Hours
Output Type	DPST, Switched Load

- Switches appliance off automatically after boost period
- Single gang surface (mount box included) or flush mounting



### Electronic 24/7 Boost controller with Programmable Operations

#### FINISH OPTIONS



**PSPS** - WHITE

**PSPSB** - BLACK

**PSPSS** - SILVER



Materials	ABS
Mounting	Single Pattress – Surface and Flush Mounting
Supply Voltage (V AC)	220 - 240
Display	LEDs for boost status
Programming Schedule	24 Hour, 5/2 Day & 7 Day
Available Operations	Up to 10 per Day

- Button lock feature
- Summer/winter time change
- Single gang surface (mount box included) or flush mounting





## Powersaver Dual Flexi

In a typical UK household nearly 20% of a home's energy cost is spent on heating hot water. Leaving an immersion heater on all the time can be a significant waste of energy that can drive this figure up to 25% or higher.

Fitting a Sangamo immersion heater controller can reduce these costs by up to 50%, even more if the property can take advantage of a dual tariff electricity and controlled by the Powersaver Dual Flexi. The Powersaver Boost and Select models are also suitable for LED lighting and towel rails.

## Powersaver Select



FINISH OPTIONS



PSS2 - WHITE

Materials	ABS
Mounting	Single Pattress – Surface and Flush Mounting
Supply Voltage (V AC)	220 - 240
Display	LEDs for boost status
Programming Schedule	24 Hour, 5/2 day & 7 day selectable
Available Operations	Up to 10 per Day

- Button lock feature
- Manual Summer/Winter time change



## Powersaver Boost



FINISH OPTIONS



PSB2 - WHITE

Materials	ABS
Mounting	Surface and Flush Mounting
Supply Voltage (V AC)	220 - 240
Display	LEDs for boost status
Selectable Boost Durations	30 Minutes, 1 Hour or 2 Hours
Output Type	DPST, Switched Load

- Switches appliance off automatically after boost period
- Single gang surface (mount box included) or flush mounting

## Powersaver Dual Flexi 2



FINISH OPTIONS



PSDF2 - WHITE

Materials	ABS
Mounting	Surface
Supply Voltage (V AC)	230
Heating System	Single, Dual or Twin Immersion Heater
Programming Schedule	24 Hours
Available Operations	10 adjustable presets; Economy 7, Economy 10 & Eco 20:20

- Pre-set adjustable, ie minimise or cancel, programs. Use with low rate tariffs (Economy 7, 10 & Eco 20:20)
- Automatic summer/winter time change



## Round Pattern Time Switches

Sangamo have manufactured the renowned RPTS since 1951, having sold over 11 million switches and counting. These 20A switches are famous for their high capacity, quality and reliability.

We often hear from customers who have had switches installed for over 5 decades and often on their second use, having outlived the equipment they were being utilised for.



### S250 Standard Range

The original RPTS model for those that need simple on & off switching of up to 20A. The dial is 24 hour but contains a Day Omit device which skips the ON operation on selected days of the week.

These switches come with either 2 or 3 sets of ON & OFF arms. To set the switch you simply loosen the centre screw, move the arms around the dial to match up with the switching times and re-tighten.

### 3-Pin or 4-Pin

3-pin switches have common clock & switch connections. 4-pin switches have independent clock & switch connections enabling the use of a different switching circuit voltage, a Volt Free Contact, in effect.



## TIME SWITCHES ROUND PATTERN TIME SWITCHES

### Standard 3 Pin Time Switch, 3 On/Offs



S254.3

S254.2

Materials	Base: Polycarbonate 940 Black; Cover: Idemitsu Polycarbonate
Mounting	Surface Mounting
Display	24 Hour Dial
Supply Voltage (V AC)	230
Power Reserve	None
Programming Schedule	24 Hour Program

- Temporary override (manual button)
- Day omit skips on operation

3600W  
LED

### Standard 4 Pin Time Switch, 3 On/Offs



S255.3

S255.2

Materials	Base: Polycarbonate 940 Black; Cover: Idemitsu Polycarbonate
Mounting	Surface Mounting
Display	24 Hour Dial
Supply Voltage (V AC)	230
Power Reserve	None
Programming Schedule	24 Hour Program

- Temporary override (manual button)
- Day omit skips on operation

3600W  
LED

## Round Pattern Time Switches



### Q550 Standard Range

The 'red dial' time switch. Sangamo RPTS with red print on the dial contain a 100 hour battery reserve. These switches offer a wider range of variations and options than the S250 Range.

### 3-Pin or 4-Pin

3-pin switches have common clock & switch connections. 4-pin switches have independent clock & switch connections enabling the use of a different switching circuit voltage, a Volt Free Contact, in effect.



## TIME SWITCHES ROUND PATTERN TIME SWITCHES

### Round Pattern Time Switches



**Q554.2** - STANDARD 3 PIN TIME SWITCH, 2 ON/OFFS

**Q554.3** - STANDARD 3 PIN TIME SWITCH, 3 ON/OFFS

**Q555.2** - STANDARD 4 PIN TIME SWITCH, 2 ON/OFFS

**Q555.3** - STANDARD 4 PIN TIME SWITCH, 3 ON/OFFS

**Q555.2110V** - 110V STANDARD 4 PIN TIME SWITCH, 2 ON/OFFS

**Q557.2** - STANDARD 4 PIN TIME SWITCH, 2 ON/OFFS, OMIT OFF OPERATION

**Q557.3** - STANDARD 4 PIN TIME SWITCH, 3 ON/OFFS, OMIT OFF OPERATION

**Q559.2** - STANDARD 4 PIN TIME SWITCH, 2 ON/OFFS, EARLY OFF ON 1 DAY/WEEK

**Q563.2** - STANDARD 4 PIN TIME SWITCH, 2 ON/OFF CHANGEOVER OPERATIONS

**Q563.3** - STANDARD 4 PIN TIME SWITCH, 3 ON/OFF CHANGEOVER OPERATIONS

**Q586.2** - STANDARD 4 PIN TIME SWITCH, 2 ON/OFF CHANGEOVER OPERATIONS, EARLY ON 1 DAY/WEEK

Materials	Base: Polycarbonate 940 Black; Cover: Idemitsu Polycarbonate
Mounting	Surface Mounting
Display	24 Hour Dial
Supply Voltage (V AC)	230
Power Reserve	100 Hours (Requires 300 hours to charge)
Programming Schedule	24 Hour Program
Available Operations	2 ON/OFF Periods
Output Type	3 Pin; SPST, Switched Live
Total Switch Rating	20A
Dimensions (mm)	146.5 x 105.7 x 82

- Day omit skips on operation
- Temporary override (manual button)

3600W  
LED

## Round Pattern Time Switches



### E850 Standard Range

Digital RPTS' combine the high capacity and reliability of the electro-mechanical models but provide full 7 day programming, allowing for more complex fixed time program schedules.

The unit is easy & intuitive to program by painting in and wiping out segments on the dial face.

### 3-Pin or 4-Pin

3-pin switches have common clock & switch connections. 4-pin switches have independent clock & switch connections enabling the use of a different switching circuit voltage, a Volt Free Contact, in effect.



## TIME SWITCHES ROUND PATTERN TIME SWITCHES

### Digital 3 Pin Time Switch, 96 Operations



E854

Materials	Base: Polycarbonate 940 Black; Cover: Idemitsu Polycarbonate
Mounting	Surface Mounting
Display	LCD
Supply Voltage (V AC)	230
Power Reserve	20 Days
Programming Schedule	7 Day Program

- Holiday mode
- Auto BST/GMT changeover
- Temporary override (manual button)

400W  
LED

### Digital 4 Pin Time Switch, 96 Operations



E855

Materials	Base: Polycarbonate 940 Black; Cover: Idemitsu Polycarbonate
Mounting	Surface Mounting
Display	LCD
Supply Voltage (V AC)	230
Power Reserve	20 Days
Programming Schedule	7 Day Program

- Holiday mode
- Auto BST/GMT changeover
- Temporary override (manual button)

400W  
LED

## Q550 Astro/Suntracker

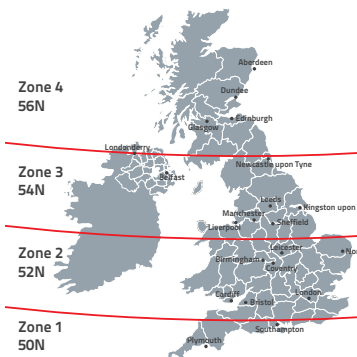
Astro/Suntracker switches automatically adjust themselves to follow Sunrise/Sunset times throughout the year. This makes them ideal for controlling external and internal lighting loads up to 20A or 3,600W of LED lighting with no need for a sensor.

As these switches track the motion of the sun & not the time it should be set to GMT & left all year, so there's no need to worry about summer & winter clock changes, the switch does it all itself. The month dial controls the brass sunset/sunrise arms automatically to keep the lights switching at the right time each day.

Sunset & Sunrise times vary through the length of the British Isles by as much as 40 minutes at certain times of year. Our RPTS Astro models come in 4 zone variations to make the switching times more accurate. Additionally, users can alter the longitude setting away from the 0° longitude line to focus the accuracy in further, if required.

2 on/off models have a second set of fixed time operating arms, allowing you to set your lighting to go off for a set period overnight while still benefiting from the sunset and sunrise programming.

All models also contain a 100 hour battery reserve.



### 3-Pin or 4-Pin

3-pin switches have common clock & switch connections. 4-pin switches have independent clock & switch connections enabling the use of a different switching circuit voltage, a Volt Free Contact, in effect.



## TIME SWITCHES ROUND PATTERN TIME SWITCHES

### Round Pattern Time Switches



**Q550.13.11** - ASTRO ZONE 1, 3 PIN TIME SWITCH, 1 ON/OFF, DAY OMIT SKIPS ON OPERATION

**Q550.13.12** - ASTRO ZONE 2, 3 PIN TIME SWITCH, 1 ON/OFF, DAY OMIT SKIPS ON OPERATION

**Q550.13.13** - ASTRO ZONE 3, 3 PIN TIME SWITCH, 1 ON/OFF, DAY OMIT SKIPS ON OPERATION

**Q550.13.14** - ASTRO ZONE 4, 3 PIN TIME SWITCH, 1 ON/OFF, DAY OMIT SKIPS ON OPERATION

**Q551.13.11** - ASTRO ZONE 1, 3 PIN TIME SWITCH, 1 ON/OFF & OPTIONAL EARLY OFF

**Q551.13.12** - ASTRO ZONE 2, 3 PIN TIME SWITCH, 1 ON/OFF & OPTIONAL EARLY OFF

**Q551.13.13** - ASTRO ZONE 3, 3 PIN TIME SWITCH, 1 ON/OFF & OPTIONAL EARLY OFF

**Q551.13.14** - ASTRO ZONE 4, 3 PIN TIME SWITCH, 1 ON/OFF & OPTIONAL EARLY OFF

**Q551.14.11** - ASTRO ZONE 1, 3 PIN TIME SWITCH, 2 ON/OFF

**Q551.14.12** - ASTRO ZONE 2, 3 PIN TIME SWITCH, 2 ON/OFF

**Q551.14.13** - ASTRO ZONE 3, 3 PIN TIME SWITCH, 2 ON/OFF

**Q551.14.14** - ASTRO ZONE 4, 3 PIN TIME SWITCH, 2 ON/OFF

**Q553.13.11** - ASTRO ZONE 1, 4 PIN TIME SWITCH, 1 ON/OFF & OPTIONAL EARLY OFF

**Q553.13.12** - ASTRO ZONE 2, 4 PIN TIME SWITCH, 1 ON/OFF & OPTIONAL EARLY OFF

**Q553.13.13** - ASTRO ZONE 3, 4 PIN TIME SWITCH, 1 ON/OFF & OPTIONAL EARLY OFF

**Q553.13.14** - ASTRO ZONE 4, 4 PIN TIME SWITCH, 1 ON/OFF & OPTIONAL EARLY OFF

**Q553.14.11** - ASTRO ZONE 1, 4 PIN TIME SWITCH, 2 ON/OFFS

**Q553.14.12** - ASTRO ZONE 2, 4 PIN TIME SWITCH, 2 ON/OFFS

**Q553.14.13** - ASTRO ZONE 3, 4 PIN TIME SWITCH, 2 ON/OFFS

**Q553.14.14** - ASTRO ZONE 4, 4 PIN TIME SWITCH, 2 ON/OFFS

Materials	Base: Polycarbonate 940 Black; Cover: Idemitsu Polycarbonate
Mounting	Surface Mounting
Display	24 Hour Dial
Supply Voltage (V AC)	230
Power Reserve	20 Days
Programming Schedule	24 Hour Program
Available Operations	1 ON/OFF Period
Output Type	3 Pin; SPST, Switched Live
Total Switch Rating	20A
Dimensions (mm)	146.5 x 105.7 x 82

- Astro zone 1
- Day omit skips on operation
- Temporary override (manual button)



## Bluetooth Din Rail Time Switches

Bluetooth is a wireless communication protocol that allows programming of the switch using the free APP available on Android and IOS smart phones and tablets.

This works the same way as contactless bank cards, oyster travel cards and mobile payment systems.

The program is setup on the APP and transfers to the switch when the smart device is held in close proximity.



## TIME SWITCHES BLUETOOTH DIN RAIL TIME SWITCHES

### Astro Bluetooth 2 Module 1 Channel, 7 day Timer, 100 Operations



#### SC2813PRO4

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface Mounting or DIN
Display	LCD Display
Supply Voltage (V AC)	230
Power Reserve	10 Years (Approx.)
Programming Schedule	24 Hour, and 7 Day Programmable

- Astro timer
- Simple programming
- Programmable via App (IOS and Android)

600W  
LEDBACKLIT  
DISPLAYASTRO  
SUNTRACKER

BLUETOOTH

### Astro Bluetooth 2 Module 2 Channel, 7 day Timer, 100 Operations



#### SC2823PRO4

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface Mounting or DIN
Display	LCD Display
Supply Voltage (V AC)	230
Power Reserve	10 Years (Approx.)
Programming Schedule	24 Hour, and 7 Day Programmable

- Astro timer
- Simple programming
- Programmable via App (IOS and Android)

600W  
LEDBACKLIT  
DISPLAYASTRO  
SUNTRACKER

BLUETOOTH



## NFC Din Rail Time Switches

NFC (Near Field Communication) is a wireless communication protocol that allows you to program the switch using the free Sangamo Connect app on an Android NFC Smart phone.

This works the same way as contactless bank cards, oyster travel cards and mobile payment systems.

You set the program up on the app and hold the phone next to the switch to read, write or transfer programming times.

## Astro NFC 1 Module 1 Channel, 24 hr Timer, 4 Operations



72102NFC

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface Mounting or DIN
Display	LCD Display
Supply Voltage (V AC)	230
Power Reserve	10 Years (Approx.)
Programming Schedule	24 Hour

- Astro timer
- Works with Android NFC phones for programming



## Standard NFC 2 Module 1 Channel, 7 day Timer, 56 Operations



72113NFC

72213NFC - 2 CHANNELS

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface Mounting or DIN
Display	LCD Display
Supply Voltage (V AC)	230
Power Reserve	10 Years (Approx.)
Programming Schedule	24 Hour, and 7 Day Programmable

- Simple programming
- Optional data key for copying settings between time switches

## Astro NFC 2 Module 1 Channel, 7 day Timer, 56 Operations



72103NFC

72203NFC - 2 CHANNELS

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface Mounting or DIN
Display	LCD Display
Supply Voltage (V AC)	230
Power Reserve	10 Years (Approx.)
Programming Schedule	24 Hour

- Astro timer
- Works with Android NFC phones for programming





## Din Rail Time Switches

All Sangamo's DIN Rail mountable time switches are designed for 35mm "Top Hat" rail. Switches come in 1, 2 or 4 modules, each module is 17.5mm wide, which fits the required width in the DIN enclosure.

**Pulse Programming**  
Short term switching at fixed times. Ideal for school bells, sirens, churches, etc. A burst from 1 second up to 59m 59s can be programmed into the unit. This feature appears on all standard switches.

## Standard 2 Module, 2 Channel, 7 Day, 46 Operations



72112

72212 - 2 CHANNELS

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface Mounting or DIN
Display	LCD Display
Supply Voltage (V AC)	230
Power Reserve	10 Years (Approx.)
Programming Schedule	24 Hour, and 7 Day Programmable

- Simple programming
- Optional data key for copying settings between time switches

300W LED

BACKLIT DISPLAY

## Standard 1 Module 1 Channel, 7 Day, 46 Operations



71111

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface Mounting or DIN
Display	LCD Display
Supply Voltage (V AC)	230
Power Reserve	10 Years (Approx.)
Programming Schedule	24 Hour, and 7 Day Programmable

- Simple programming

## Standard 2 Module 1 Channel, Yearly Timer, 300 Operations



25162

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface Mounting or DIN
Display	LCD Display
Supply Voltage (V AC)	230
Power Reserve	10 Years (Approx.)
Programming Schedule	24 Hour, 7 Day, and Yearly Programmable

- Simple programming
- Optional data key for copying settings between time switches
- Extra functions - special weekly programs, channel key assignment

200W LED

BACKLIT DISPLAY

**Standard 4 Module  
Channel, 7 Day Timer,  
300 Operations**



26404

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface Mounting or DIN
Display	LCD Display
Supply Voltage (V AC)	230
Power Reserve	10 Years (Approx.)
Programming Schedule	24 Hour, and 7 Day Programmable

- Simple programming
- Multiple applications from one switch
- Optional data key for copying settings between time switches
- Extra functions - channel key assignment, accepts external inputs

200W  
LED

BACKLIT  
DISPLAY

**Standard 1 Module  
24 hr Timer**



11002

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface Mounting or DIN
Display	Mechanical Dial
Supply Voltage (V AC)	230
Power Reserve	100 Hours (Approx.)
Programming Schedule	24 Hour

- Simple programming with 15 minute captive segments
- Simple to read switching
- Manual override switch: permanent off/automatic/permanent on

200W  
LED

**DIN Rail Time Switches**



- 71101 - ASTRO 1 MODULE 1 CHANNEL, 7 DAY, 60 OPERATIONS
- 72101 - ASTRO 2 MODULE 1 CHANNEL, 7 DAY, 60 OPERATIONS
- 72201 - ASTRO 2 MODULE 2 CHANNEL, 7 DAY, 60 OPERATIONS

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface Mounting or DIN
Display	LCD Display
Supply Voltage (V AC)	230
Power Reserve	6 Years (Approx.)
Programming Schedule	24 Hour
Available Operations	60 Operations
Output Type	SPST, Volt-Free
Total Switch Rating	16A @1.0pf
Dimensions (mm)	90 x 17.5 x 60

- Astro timer
- Simple programming
- Optional data key for copying settings between time switches

400W  
LED

BACKLIT  
DISPLAY

## Panel Time Switches

The panel time switch range can also be surface or din rail mounted.

The analogue 16000 range are simple to use and are a cost effective timer. They are extremely easy to set, change and to view programmes. They are often used where multiple people are involved in setting and changing programs. For instance in church halls and similar applications.

They are also fitted where the potential user is not comfortable using the latest digital technology, preferring the traditional pin type setting.

The 28000 range provides additional functionality in the same format to suit additional programming requirements.

**Pulse Programming**  
Short term switching at fixed times. Ideal for school bells, sirens, churches, etc. A burst from 1 second up to 59m59s can be programmed into the unit. This feature appears on all standard switches.



## TIME SWITCHES - PANEL TIME SWITCHES

### Astro Bluetooth 1 Channel 7 Day Digital Panel Timer



SC4411PRO4

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface or Panel
Display	Backlit-LCD Display
Supply Voltage (V AC)	230
Power Reserve	10 Years (Approx.)
Programming Schedule	Astro, 24 Hour, and 7 Day Programmable

- Programmable via Android App
- Comes ready for panel or surface mounting

200W  
LED

BACKLIT  
DISPLAY

ASTRO  
SUNTRACKER

BLUETOOTH

### Astro Bluetooth 2 Channel 7 Day Digital Panel Timer



SC4421PRO4

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface or Panel
Display	Backlit-LCD Display
Supply Voltage (V AC)	230
Power Reserve	10 Years (Approx.)
Programming Schedule	Astro, 24 Hour, and 7 Day Programmable

- Programmable via Android App
- Comes ready for panel or surface mounting

200W  
LED

BACKLIT  
DISPLAY

ASTRO  
SUNTRACKER

BLUETOOTH

**Standard Panel 24 hr  
Timer (with battery)**



PA16621

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface, Panel, or DIN
Display	Mechanical Dial
Supply Voltage (V AC)	230
Power Reserve	200 Hours (Approx.)
Programming Schedule	24 Hour

- Programming by 15 min captive segments
- Temporary Manual Override
- Contact status display

200W  
LED

**Standard Panel Mount 7  
Day Timer (with Battery)**



PA16921

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface, Panel, or DIN
Display	Mechanical Dial
Supply Voltage (V AC)	230
Power Reserve	100 Hours (Approx.)
Programming Schedule	7 Day

- Programming by 1 hour captive segments
- Temporary Manual Override
- Contact status display

200W  
LED

**Standard Analogue  
24 hr Timer**



PA16622

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface, Panel, or DIN
Display	Mechanical Dial
Supply Voltage (V AC)	230
Programming Schedule	24 Hour
Available Operations	72 Operations

- Programming by 15 min captive segments
- Temporary Manual Override
- Contact status display

200W  
LED

**Standard Analogue  
7 Day Timer**



PA16922

Materials	Self-Extinguishing Thermoplastic
Mounting	Surface, Panel, or DIN
Display	Mechanical Dial
Supply Voltage (V AC)	230
Programming Schedule	7 Day
Available Operations	84 Operations

- Programming by 1 hour captive segments
- Temporary Manual Override
- Contact status display

200W  
LED

Module Enclosure

FINISH OPTIONS



143602 - GREY



Materials	ABS
Mounting	Surface Mount
Module Size	1 - 2
Dimensions (mm)	55 x 135 x 80

- Integral DIN-rail

Module Enclosure

FINISH OPTIONS



143603 - GREY



Materials	ABS
Mounting	Surface Mount
Module Size	3 - 4
Dimensions (mm)	100 x 135 x 90

- Integral DIN-rail
- Suitable for 2 module product applications where contactor will be used

FD930 Conduit Box  
Time Switch

FINISH OPTIONS



110469 - BLACK



Materials	Steel
Mounting	Surface Mount
Dimensions (mm)	130 x 130 x 30

- Will accept 3/4in or 20mm conduit
- Fixings supplied
- Robust steel construction with black enamelled finish
- Compatible with S250, Q550 & E850 ranges





**ESP**<sup>®</sup>

Product index

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72112	295	APKITAOH	227	BAMCALM56	150	CABIP10	196	CHPRSTATDPF	271	D1102SWH	119
72113NFC	292	APKITBLK	212	BAPCM	149	CABIP20	196	CHPRSTATDPF	271	D120DBR	126
72201	297	APKITG	214	BAT18	103	CABIP40	196	CHPRSTATDPF	271	D120LBR	126
72203NFC	293	APKITGBLK	214	BAT32	103	CABIP80	196	CHPRSTATDPS	270	D120RBR	126
72212	295	APKITKP	213	BAT7	103	CABIPCOUP	194	CHPRSTATDRF	269	D120SDBK	123
72213NFC	292	APKITKPBLK	213	BBB1	198	CB-1R	94	CHPRSTATDRFB	269	D120SDWH	123
A1ECP	238	APKITKPG	215	BBG1	198	CB-1RIP66	94	CHPRSTATDRFS	269	D120SLBK	123
A1ECPCVR	241	APKITKPGBLK	215	BBW1	198	CHOICE CSTAT	277	CHPRSTATDS	268	D120SLWH	123
A1ECPKEY	241	APMONB	224	BD1	102	CHOICE FSTAT1	277	CHPRSTATS	267	D120SRBK	123
A1EXIT	237	APMONBG	225	BD1LRK	102	CHOICE PR1n	264	CHPRSTATT	267	D120SRWH	123
A1IPDSM1	207	APMONW	224	BM2EX	139	CHOICE PR2n	265	CHPRSTATTB	267	D120SUBK	123
A1IPKB	203	APMONWG	225	BMNET	137	CHOICE PR3n	265	CHPRSTATTS	267	D120SUWH	123
A1IPKW	203	APPOWMW	222	BMNETEX	138	CHOICE RSTAT1	274	CHPWIFI	273	D120UBR	126
A1IPMB	208	APPOWSWDR	217	BMSF	139	CHOICE RSTAT1T	275	CHSTAT3CHK	272	D121SAWH	122
A1IPMW	208	APSEPMW	222	BPS-1	108	CHOICE RSTAT3	275	CPS18W	190	D130SAWH	120
A1IPT10	241	B1A4ZM	146	BPS-2	108	CHOICE RSTAT3RF	276	CPS9W	190	D151AWH	128
A1IPVDS	204	B1A4ZMP	146	BPS-5	109	CHOICE RSTAT5RF	276	CSD2	93	D1620WH	124
A1ML250	240	B1AKIT	144	BPS2EN	109	CHPPR1	262	CSD212	93	D2000SWH	114
A1ML250ZL	241	B1AM	148	BPS5EN	110	CHPPR1B	262	D001	131	D2401SWH	116
A1ML300XT	240	B1M2	136	BRAP	138	CHPPR1S	262	D001E	131	D2402SMF	116
A1SL	239	B1M4	136	BTA66	142	CHPPR2	263	D001ES	131	D2411SWH	117

D2413SWH	117	ECSPCT	248	EMEXBOXLGDR	123,126
D330SAWH	121	ECSPXES	252	EMEXBOXLGDU	123,126
D4020WH	125	ECSPXESW	252	EMSTSDLFLUSH	127
D4620WH	125	ECSPHB	246	EMTS	130
D5403WH	127	ECSPK3	244	EMTSK	130
DBB3	198	ECSPK4	244	EMTSLCD	130
DBG2	198	ECSPK5	245	ES11ST	35
DBG3	198	ECSPK6	245	ES1CHL	33
DBG4	198	ECSPKY	249	ES1CHLV	33
DBS-2	97	ECSPPET	247	ES1CL	31
DBS-LIDW	97	ECSPPIR	247	ES1CLV	31
DBW2	198	ECSPPX	251	ES1HL	27
DBW3	198	ECSPRC	250	ES1HLV	26
DBW4	198	ECSPSOS	250	ES1HRV	27
DOCBOX	110	ECSPSP	259	ES1MODV	35
DR916-24	106	ECSPST	253	ES1MP	34
DR916-240	106	ECSPVS	249	ES1MTB	34
DR916-FMB	107	EMBAT3.6V1500	132	ES1MTW	34
DR916-KP	107	EMBAT3.6V1500SER	132	ES1MUL	29
DRPS1	111	EMBAT3.6V1800	132	ES1MULV	29
E854	287	EMBAT3.6V1800SER	132	ES1RB	35
E855	287	EMBAT3.6V3000	132	ES1RBRF	35
ECCXT2K	257	EMBAT3.6V900	132	ES1REM	35
ECDB2K	258	EMBAT3.6V900SER	133	ES1REMV	35
ECSP3350B	252	EMBAT4.8V3500SER	133	ES1RF	35
ECSPBST	248	EMBAT4.8V600	133	ES1RF2	35
ECSPCAM	256	EMBAT6V1800	133	ES1SL	25
ECSPCAMFLB	254	EMBAT9.6V2200	133	ES1SLV	24
ECSPCAMFLW	254	EMBULK2FLUSH	129	ES1SRV	25
ECSPCAMPT	256	EMBULKLGD	129	ES1ST	35
ECSPCAMSLB	255	EMEXBOXLGDD	123,126	EVBPSBB	240
ECSPCAMSLW	255	EMEXBOXLGDL	123,126	EVEBGEXT2	238

EVEBGEXT2KEY	241	H512VDGA	179	HDBALUNV	193
EVEXITC	237	H512VDW	178	HDBALUNVP	193
EVEXITM	236	H512VDWA	179	HDBALUNVPCT	193
EVEXITMIP55	236	HC528FBG	168	IFB	98
EVTR	235	HC528FBW	168	IPIN1POE	194
EVTRT	234	HC528FDG	168	IPWFBW	195
EZT3K	230	HC528FDW	168	IPX100POE	194
EZT3KB	230	HC816R	172	MAG2	84
EZT3KC	231	HC816R12TB	172	MAG2P	85
EZT3KCB	231	HC816R16TB	172	MAG4	86
EZT3KM	232	HC816R4TB	172	MAG4P	87
EZT3KMB	232	HC816R8TB	172	MAG816	88
EZT3KXT	233	HC828FBG	169	MAGAXISORP	104
EZT3KXTB	233	HC828FBW	169	MAGAXISOWP	104
EZT3ST10	241	HC828FDG	169	MAGBAR2/4	89
EZTAG3	229	HC828FDW	169	MAGBAR816	89
EZTAG3B	229	HC832R	173	MAGBSR	96
FHD2	90	HC832R16TB	173	MAGBSW	96
FHD212	90	HC832R32TB	173	MAGDUO2	50
FHDVC18PTZ	184	HC832R8TB	173	MAGDUO2B	50
FLK2P	82	HC84R	170	MAGDUO2BKIT	46
FLK4PH	83	HC84R2TB	170	MAGDUO2KIT	46
H1C864R	174	HC84R4TB	170	MAGDUO4	51
H1C864R12TB	174	HC84R8TB	170	MAGDUO4B	51
H1C864R16TB	174	HC88R	171	MAGDUO4BKIT	47
H1C864R24TB	174	HC88R2TB	171	MAGDUO4KIT	47
H1C864R32TB	174	HC88R4TB	171	MAGDUO8	52
H1C864R48TB	174	HC88R8TB	171	MAGDUO8B	52
H1C864R64TB	174	HD1000SA	199	MAGDUO8BKIT	48
H512VBG	178	HD2000SA	199	MAGDUO8KIT	48
H512VBW	178	HD4000SA	199	MAGDUO8BBB	49
H512VDG	178	HD8000SA	199	MAGDUOCC4	49

MAGDUOCP	59	MAGPRO-10SI	76	MAGR	89	Q551.13.12	289	RCKTB	183	UDTAPCMSS	153
MAGDUOCP	60	MAGPRO-2I20	76	MAGSC-816	89	Q551.13.13	289	RCKTW	183	UDTAPLBM	152
MAGDUOCP65	59	MAGPRO-4I00	77	MAGSRS	96	Q551.13.14	289	RHD2	91	UDTAPLBMG	152
MAGDUOCPK	60	MAGPRO-CP	74	MAGSWS	96	Q551.14.11	289	RHD212	91	UDTAPLBMSS	152
MAGDUOIOR	49	MAGPRO-CPC	74	MAGZC-816	89	Q551.14.12	289	S16POE	191	UDTAREM	153
MAGDUOPCPS	60	MAGPRO-CPIP67	74	MON18L	186	Q551.14.13	289	S254.2	283	UDTAREMG	153
MAGDUOPK	61	MAGPRO-CZM	78	MON21L	186	Q551.14.14	289	S254.3	283	UDTAREMSS	153
MAGDUOREP	53	MAGPRO-DB	73	MON23L	186	Q553.13.11	289	S255.2	283	UDTASMBSS	154
MAGDUOREPB	53	MAGPRO-DB23W	72	PA16621	300	Q553.13.12	289	S255.3	283	UDTASPC	154
MAGDUOSHD	54	MAGPRO-DBS1	72	PA16622	300	Q553.13.13	289	S4POE	191	WARN	189
MAGDUOSHDD	61	MAGPRO-DBSC	73	PA16921	301	Q553.13.14	289	S8POE	191	ZRL2	79
MAGDUOSHDR	61	MAGPRO-DBSS1	73	PA16922	301	Q553.14.11	289	SC2813PRO4	291		
MAGDUOSHDS	54	MAGPRO-HD1	70	PLA	195	Q553.14.12	289	SC2823PRO4	291		
MAGDUOSHDS	55	MAGPRO-HSD1	71	PSB2	280	Q553.14.13	289	SC4411PRO4	299		
MAGDUOSIP55	56	MAGPRO-IM	79	PSD2	92	Q553.14.14	289	SC4421PRO4	299		
MAGDUOSR	58	MAGPRO-MINI	79	PSD212	92	Q554.2	285	SCP2R	100		
MAGDUOSRIP55	56	MAGPRO-NIC	66	PSDF2	281	Q554.3	285	SCP2R-CVR	100-101		
MAGDUOSRSQ	58	MAGPRO-PROG	71	PSIL1W	197	Q555.2	285	SCP2RIP67	101		
MAGDUOSS	57	MAGPRO-R	78	PSPB	279	Q555.2110V	285	SCP2RK	100-101		
MAGDUOSSLP	57	MAGPRO-REP	65	PSPBB	279	Q555.3	285	SD-DB	95		
MAGDUOSW	58	MAGPRO-REP01	65	PSPBS	279	Q557.2	285	SP1APDSMW	220		
MAGDUOSWSQ	58	MAGPRO-SD1	70	PSPS	279	Q557.3	285	SP1APDSPXMW	221		
MAGDUOZC4	49	MAGPRO-WS	68	PSPSB	279	Q559.2	285	TFT-BRA1	189		
MAGEOL	89	MAGPRO-WSBIP65	69	PSPSS	279	Q563.2	285	TMPROSHD	188		
MAGEOL-S	89	MAGPRO-WSS	68	PSS2	281	Q563.3	285	UDTAKIT	151		
MAGFMK	89	MAGPRO-WSS23	69	PTZCBRKT	184	Q586.2	285	UDTAKITG	151		
MAGISOPFUSE	104-105	MAGPRO16	63	PTZCON	185	RC24KBB	162	UDTAKITSS	151		
MAGISORP	105	MAGPRO16-L250	66	Q550.13.11	289	RC24KBW	162	UDTALBM	152		
MAGISORPK	104	MAGPRO16G	63	Q550.13.12	289	RC24KTB	163	UDTALBMG	152		
MAGISOWP	105	MAGPRO96-L250	67	Q550.13.13	289	RC24KTW	163	UDTALBMSS	152		
MAGLB	110	MAGPRO9601	64	Q550.13.14	289	RCKBB	182	UDTAPCM	153		
MAGPRO-0i40	77	MAGPRO96GBB	67	Q551.13.11	289	RCKBW	182	UDTAPCMG	153		

# ESP TRAINING DAYS

Training days will be held at our purpose built showroom located in Redditch.

For more information on the following training days please visit our website [www.espuk.com](http://www.espuk.com) or scan the QR code below:





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## MAGDUO Fire System Programming

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Two-Wire fire alarm systems are based on standard conventional system technology. Unlike standard conventional four wired systems where the detectors, call points and alarm devices for each zone are wired on separate circuits, MAGDUO utilises intelligent Two-Wire technology, which allows all devices to be wired on the same set of two-core zone cables back to the control panel - enabling it to use a single circuit per zone both for detection and to power the sounders. This advanced technology can reduce both installation and material costs.

During the one-day MAGDUO training course, attending contractors will benefit from a series of wiring tutorials and will be trained on panel configuration, panel operations and device set up. They will also be given an overview of BS5839-1.

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## Addressable Fire System Programming

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Our Fire System Programming training days are aimed at competent contractors who already possess a good knowledge of BS5839 fire installation and commissioning requirements. From entry onto this course we will cover the basic programming requirements for our 2 Loop and 4 Loop fire systems, loop addressing, networking arrangements and Input/Output setups.



# Training & support.

**We're here to provide you with complete technical support across the country.**


This includes:

- helping you choose the right alarm
- providing guidance on installation locations in accordance with British Standards, Building Regulations and local government recommendations.
- guiding you through installation steps
- giving you tips for maintenance.

We can assist you with detailing specification documents as well provide support when it comes to design layouts and product selectivity.



**CIBSE Member**



Maintaining a competitive edge is vital to stay ahead in the fast moving professional electrical industry. Scolmore® Group has a wealth of CPD accredited training modules available to keep you up to date with the latest regulations, technologies, and product innovations.

Inspired home safety.

## Gold star service

Our dedicated Research & Development Department at ESP® remains at the forefront of innovation, consistently working on new products & applications. With pending patents for life-saving alarm detection technologies, Espire® takes pride in introducing groundbreaking advancements that enhance protection & simplify maintenance. These include 10 Year Lithium cell batteries, wireless radio frequency interconnection & multi-sensor fire alarms.

## Training days

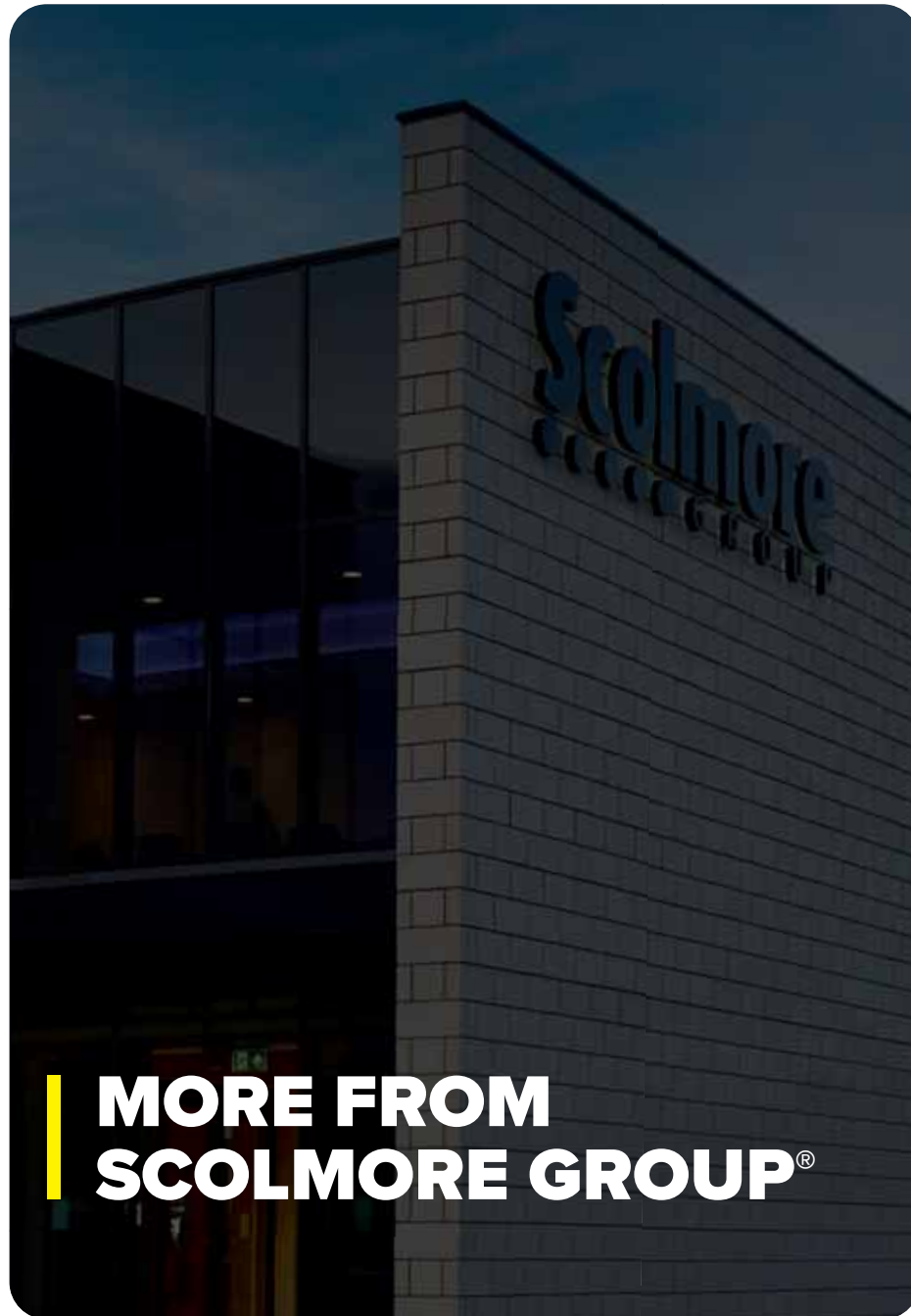
We offer a free training & advice facility to ensure our customers get the very best from our products. Our product overview training days are aimed at electrical contractors and wholesalers who would like to add fire equipment to their portfolio. You will gain an understanding of all our products and their benefits. We will also discuss how they can be implemented within different on-site applications.

## Design service

Contractors can access a free of charge design facility that covers all our life safety systems. We provide expertise in choosing the right products & solutions to create a scheme that meets the requirements of the project, ensuring compliance with all the relevant regulations & standards. This service is available to any size of business, from local electricians to national contracting companies.



Each product has a comprehensive manual available for your information, however please feel free to contact our technical team on 01527 515 150 should you require any further assistance.



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SCOLMORE GROUP®**

An advertisement for Elucian by Click. The background is a solid orange color with a large, faint graphic of a hand holding a plug. In the foreground, several electrical distribution boards and components are shown, including a large board with multiple terminals, a smaller board, and various circuit breakers and fuses.

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**KEEPING YOU  
IN CHARGE...**

Elucian® by Click® brings to market Single and Three Phase Distribution Boards, complemented by a wide selection of circuit protection devices and accessories.



## The home of wiring accessories...

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Click Scolmore® is one of the UK's leading manufacturers of electrical accessories. The company is proud to be a British-based, family-run business with an international reputation for quality, innovation and exemplary customer service.



## Lighting solutions...

Already synonymous with superior performance and innovation following years of success as a leading name in the lighting industry, the Ovia® brand of lighting solutions has been further developed to meet the growing opportunities that the transformed lighting industry offers.

The comprehensive collection of lighting products from Ovia® will provide solutions for a whole spectrum of projects in a broad variety of sectors, including domestic, commercial, industrial, utility, amenity, emergency lighting and floodlighting.

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ScolmoreGROUP



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