



The European Market Leader in
Home Life Safety

Product Selector

ISSUE 12

an  Company

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The European Market Leader in Home Life Safety.

Aico, an Ei Company, specialises in pioneering new technologies in home life safety and works closely with Installers, Specifiers, Landlords, Local Authorities and Housing Associations to create safer environments for Homeowners and Residents.

We expanded our Connected Home offering with the acquisition of leading Internet of Things (IoT) solutions provider, HomeLINK. HomeLINK leverages cutting edge smart home integration and analytic technologies, providing a complementary platform to present a synergistic approach to IoT.

Each Aico product has been designed, developed and manufactured at our factory in Ireland, and is thoroughly tested at multiple points throughout manufacture to make sure it meets every UK standard and carries the relevant BS Kitemark.

We also provide full nationwide technical support offering advice on alarm selection, siting, installation and maintenance, as well as specification documents and a dedicated installer training scheme, Expert Installer.

Corporate Social Responsibility is a key focus for us; our 'Aico in the Community' initiative helps schools, colleges, charities and community organisations achieve their goals to help create safer communities and build sustainable futures. We do this through the core areas of Education, Business Enterprise, Volunteering, Charity and Sustainability.

Education, Quality, Service and Innovation.

At the heart of everything we do.

We are extremely proud of our high standards both in our products and our company, and whether it is working with Installers, Local Authorities or within the Community, we always follow the same philosophy.



Education

Our primary aim is to make homes safer. We believe it is our responsibility to not only create the right safety products, but to also raise awareness of dangers through our educational campaigns to communities, alongside promoting best practice through our installer programme. In terms of education, we are also proud to work with schools, colleges and universities to create opportunities for the next generation to share our vision.



Service

We offer market-leading support to our customers, with a team of experienced Regional Specification Managers across the UK offering all the information needed to select the right alarms and technologies. They also work closely with distributors, while our in-house Technical Team is available to provide dedicated technical support. Finally our Internal Sales Team provides excellent support over the phone to create a smooth ordering process for every customer.



Quality

For the most reliable life-saving detection, each individual alarm not only meets every approval but is tested several times, primarily on initial assembly, at the test and calibration stage and a final thorough test. Every alarm is also third party accredited to the relevant British or European standard, and both Aico and Ei operate to ISO 9001:2015, ISO 14001:2015 and OHSAS 18001:2007 standards.



Innovation

Aico's dedicated Research and Development Department continues to innovate with new products and applications, and together with Ei Electronics we hold over 20 patents on life-saving alarm detection technologies. Aico has been first to market with many ground-breaking innovations that improve protection and make maintenance easier, including rechargeable battery packs, wireless radio frequency interconnection, Multi-Sensor fire alarms and digital information extraction.



All the training and support Installers and Specifiers need.

From our Expert Installer programme to our renowned Centre of Excellence at our head office, to our Mobile Training & Demonstration units, we provide an exceptional level of bespoke training, development and technical guidance, whatever your role.



Centre of Excellence

Our dedicated training and support facility opened in 2015 and in its first year welcomed over 1,200 people on bespoke training packages. To book a visit, go to our website or email centreofexcellence@aico.co.uk.



Mobile Training & Demonstration Units

We have four fully-equipped units, which travel the country with our Regional Specification Managers (RSM) for hands-on training sessions including free FIA-accredited CPD Expert Installer training and demonstrations of the latest technologies. Ask your RSM for details.



Expert Installer



Aico's award-winning FIA-accredited CPD Expert Installer training is a FREE scheme. It is divided into modules designed to help electrical contractors install domestic Fire and Carbon Monoxide alarm systems and Environmental Sensors.

Topics covered include:

- ✔ British Standard – BS 5839-6:2019+A1:2020
- ✔ Building Regulations for Domestic Fire Alarm Systems
- ✔ System Categories & Grades
- ✔ Alarm Sensor Types
- ✔ Carbon Monoxide Standards and Legislation
- ✔ System Installation
- ✔ Alarm Interconnection
- ✔ Alarm Data Extraction

To sign up visit our website www.aico.co.uk/expert-installer or ask your local RSM.



Why not join our Installer Community?



As part of our connected community of Expert Installers you can network, share knowledge and discuss issues through our forum, be the first to know about new technology, get access to exclusive events and earn points to compete for monthly prizes!

Find out more at www.aico.co.uk/expert-installer.



CONNECT
with fellow professionals



LEARN
new skills to earn points
and receive prizes



REWARDS
for members
every month



Sensor Types

Which Product Where?

12-13



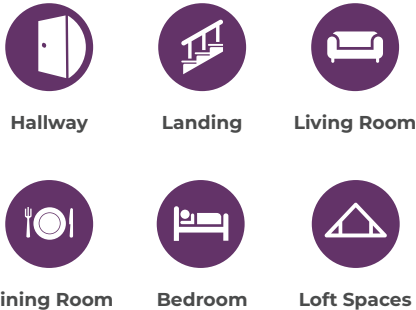
Which product where?

When installing or specifying our products, it is crucial to make sure you choose the right sensor type.

Fire Alarm (Multi-sensor)

- Contains optical and heat sensors to detect both smoke and heat, so responds to all fire types from fast flaming to slow smouldering
- Also intelligently monitors both sensors, to virtually eliminate the risk of nuisance alarms

Recommended for:



Heat & Carbon Monoxide (CO) (Multi-sensor)

- Multi-sensor heat and CO alarms are recommended for kitchens with any fuel burning appliances such as gas boilers or cookers

Recommended for:



Heat (Single sensor)

- These use a thermistor (heat sensor) which detects changes in temperature, and triggers the alarm at 58°C

Recommended for:

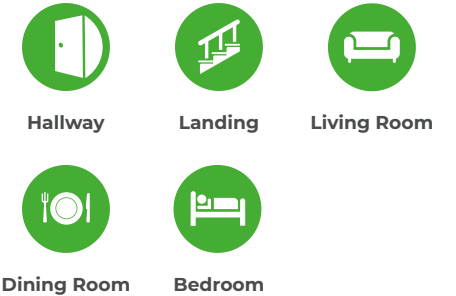


They are not sensitive to cooking fumes and react instead to heat build-up from large flaming fires

Optical (Single sensor)

- Optical sensors use an infra-red beam to detect smoke and react to slow, smouldering fires such as electrical fires

Recommended for:



Environmental Sensors

HomeLINK Environmental Sensors measure temperature, humidity and Carbon Dioxide to create better maintained, healthier and energy efficient homes.

Recommended for:



Carbon Monoxide (Single sensor)

⚠ You cannot see, smell or taste Carbon Monoxide, but it can kill you.

Standards and regulations vary depending on your location within the United Kingdom. For siting guidance, please refer to the specific recommendations for England, Wales, Scotland and Northern Ireland.



Product Range

3000 Series	17-19
1000 Series	20-21
600 Series	22-23
140e Series	24-25
Carbon Monoxide Battery Series	26-27
eco-fit Range	28
Accessories	29-33



Whatever you need, Aico has it covered.

With Aico's extensive product range and ever-growing list of sophisticated, ground-breaking features, you are sure to find precisely what you need in terms of home life safety.



3000 Series

MULTI-SENSOR & SINGLE SENSOR ALARMS

The flagship of the Aico range, the 3000 Series is a new generation of intelligent alarms, yet retains the simplicity installers love. Available in Multi-Sensor and Single-Sensor options, every model incorporates our latest features:



Mains powered with 10 year rechargeable Lithium cell back-up



Specify a whole property from one series



*Now available in eco-fit packs



Quick and reliable interconnection



Scan for more information



Ei3028

Multi-Sensor Heat & CO Alarm

Heat and Carbon Monoxide coverage in one alarm

Recommended for:



Additional Feature

Heat and Carbon Monoxide indicator on alarm head

£89.72 each



BS EN 50291-1:2018



Ei3024

Multi-Sensor Fire Alarm

Contains both optical and heat sensors for a total fire response

Recommended for:



Additional Feature

Unique Dust Compensation mechanism to reduce false alarms

£72.74 each



BS EN 14604:2005
BS 5446-2:2003



Ei3016

Optical Smoke Alarm

Best for slow, smouldering fires such as sofas and electronics

Recommended for:



Additional Feature

Unique Dust Compensation mechanism to reduce false alarms

£55.77 each



BS EN 14604:2005



Ei3014

Heat Alarm

For detecting heat build-up from large flaming fires

Recommended for:



Additional Feature

Fast response thermistor

£58.07 each



BS 5446-2:2003



Ei3018

Carbon Monoxide (CO)

Proven electrochemical sensor

Recommended for:

It is advised to fit to BS EN 50292:2013 recommendations

Additional Feature



Sound mimic feature when connected to other 3000 Series smoke and heat alarms via SmartLINK

£68.55 each



BS EN 50291-1:2018



Ei1000G

SmartLINK compatible alarms connect to the Ei1000G.

£173.25 each



Ei3000MRF

SmartLINK[®] Module

Plug into the head of any 3000 Series alarm to enable SmartLINK capabilities

£59.90 each



1000 Series

CREATE HEALTHIER, SAFER HOMES

Our life safety products wirelessly connect to our Ei1000G SmartLINK Gateway; an innovative and award-winning system that extracts and collates data directly from our alarm heads and HomeLINK Environmental Sensors, with all the data available from a user-friendly dashboard. These actionable insights enable preventative measures and proactive maintenance for housing stock.



Quick and reliable interconnection



Scan for more information



Ei1000G

SmartLINK Gateway

Enables remote management via the online dashboard

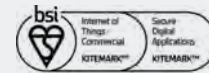
Additional Features

- SmartLINK®
- HomeLINK®
- RadioLINK+™

Roaming SIM card for reliable data connection

Connects to Aico Radio Frequency devices

£173.25 each
Subscription costs apply*



Ei1025

Environmental Sensor

Monitors temperature, humidity and CO₂

Additional Features

- SmartLINK®
- HomeLINK®

10-year lithium battery

Connection to Ei1000G SmartLINK Gateway required to extract data

£122.50 each
Subscription costs apply



Ei1020

Environmental Sensor

Monitors temperature and humidity

Additional Features

- SmartLINK®
- HomeLINK®

10-year lithium battery

Connection to Ei1000G SmartLINK Gateway required to extract data

£78.75 each
Subscription costs apply

*Please visit the product pages on our website for the Ei1000G, Ei1025 and Ei1020 for pricing information



600 Series

SMOKE & HEAT ALARMS

Product Features:



Battery powered by a sealed in Lithium cell

Easy to fit - twist on base and multi-fixings



Scan for more information



Ei650
Optical Smoke Alarm Best for slow, smouldering fires such as sofas and electronics
Recommended for:
N/A
£36.09 each
 VdS to EN 14604:2005

Ei650RF
Optical Smoke Alarm Best for slow, smouldering fires such as sofas and electronics
Recommended for:
Additional Feature BUILT IN
£91.21 each
 VdS to EN 14604:2005

Ei603
Heat Alarm For detecting heat build-up from large flaming fires
Recommended for:
N/A
£37.60 each
 BS 5446-2:2003

Ei603RF
Heat Alarm For detecting heat build-up from large flaming fires
Recommended for:
Additional Feature BUILT IN
£92.73 each
 BS 5446-2:2003



140e Series

SMOKE & HEAT ALARMS

Product Features:



Mains powered with
9V Alkaline battery back-up

easi-fit base

10
YEAR
life

RadioLINK™
COMPATIBLE



Scan for more
information



Ei146e

Optical Smoke Alarm

Best for slow, smouldering fires such as sofas and electronics

Recommended for:

£31.85 each

BS EN 14604:2005



Ei144e

Heat Alarm

For detecting heat build-up from large flaming fires

Recommended for:

£40.75 each

BS EN 5446-2:2003

Ei168RC

RadioLINK™ Base

Fit under any 140e Alarm to enable RadioLINK capabilities

£59.90 each



Carbon Monoxide Battery Series

CARBON MONOXIDE

Product Features:



Battery powered by a sealed in Lithium cell

Easy to fit - twist on base and multi-fixings



Proven electrochemical sensor



Scan for more information



Ei208

Recommended for:

It is advised to fit to BS EN 50292:2013 recommendations

N/A

£24.74 each



BS EN 50291-1:2018
BS EN 50291-2:2019



Ei208W

Recommended for:

It is advised to fit to BS EN 50292:2013 recommendations

Additional Feature


RadioLINK+
Upgradeable to RadioLINK+ with Ei200MRF module

£32.42 each



BS EN 50291-1:2018
BS EN 50291-2:2019

+



Ei200MRF

RadioLINK+
Module

Insert into an Ei208W alarm for RadioLINK+ interconnection

£59.90 each



Ei208WRF

Recommended for:

It is advised to fit to BS EN 50292:2013 recommendations

Additional Feature

RadioLINK+
RadioLINK+ built in

£79.86 each



BS EN 50291-1:2018
BS EN 50291-2:2019



eco-fit Range

THE ENVIRONMENTALLY FRIENDLY ALTERNATIVE

The eco-fit range is available across the 3000 Series of Single and Multi-Sensor alarms, offering the same renowned technology, high-quality and reliability as all of Aico's home life safety products. Ideal for upgrading or retrofitting where easi-fit bases are already installed. Minimal packaging, maximum protection.

Product Features:

10 alarm heads per pack

Head unit only option

Does not include easi-fit bases, screw packs or dust covers

100% less plastic

Up to 58% less paper and cardboard

Visit the 3000 Series on Page 17-19 to find out more.



£727.44

Based on Ei3024EF.
Find full price list on page 51.

Accessories

Alarm Control:

Alarm control is important if you have multiple alarms around a property. This becomes even more important when you have a mixture of Smoke, Heat and Carbon Monoxide.



Test
all the alarms



Locate
the triggered alarm



Silence
if no fire is present

Ei450* - RadioLINK+ Alarm Controller

£65.23 each



- Battery powered by a sealed in Lithium cell
- 10 year life
- Completely wire free installation
- Uses  RadioLINK+ wireless technology to interconnect to the rest of the system
- LED display to show Fire or Carbon Monoxide alarm activation
- Compatible with all RF products

Other alarm control products available:

Ei1529RC**

Hard-wired Alarm Control Switch

£37.26 each



Alarm Integration Interface:



Aico offer a wide range of products to connect alarm systems with other devices.

Use the **RadioLINK+™ Fire/CO Alarm Interface to connect to:**

- Telecare/warden call systems
- Gas shut down
- Sprinkler system

Ei414* - Fire/CO Alarm Interface
£192.94 each

Other interface products available:

Ei408*
 RadioLINK Switched Input Module (triggers alarms if external devices are activated)
£47.18 each

Ei428*
 RadioLINK Relay Module (triggers external devices if alarms activate)
£75.26 each

Ei413*
 RadioLINK Panel Interface Module (two way communication between alarms and panel systems)
£58.87 each

Ei129**
 Hard-wired Switched Input Module (triggers alarms if external devices are activated)
£35.19 each

Ei128R**
 Hard-wired Relay Module (triggers external devices if alarms activate)
£33.12 each

Ei128RBU**
 Hard-wired Relay Module with battery back up (triggers external devices if alarms activate)
£54.95 each

*Compatible with the following series: 3000, 2110e, 160e, 140e, 600 and the Ei208WRF. (Mains powered alarm systems must include a RadioLINK component to be compatible)

**Hardwire with any mains powered series.

Alarms for Deaf & Hard of Hearing:



Ei170RF - RadioLINK Alarm Kit for the Deaf & Hard of Hearing (Contains strobe light and pillow pad)
£214.03 each

Compatible with the following series: 3000*, 2110*, 160e*, 140e*, 600 and the Ei208WRF.

*When alarm system includes a RadioLINK Component.

Ei171RF - RadioLINK Strobe Light only
£187.68 each

Ei174 - Pillow Pad – Additional (plugs into strobe light)
£26.36 each

Strobes & Sounders:



YO3* - High Output Remote Sounder
£80.52 each

- Mains powered
- Connect using a Relay Module*
- IP rated

SAB300C* - Strobe Light (Clear)
£39.94 each

SAB300R* - Strobe Light (Red)
£39.94 each

*Connect using an Ei128R for a hardwired system or Ei428 for a RadioLINK system

Call Points:



- Allows for remote triggering of an alarm system
- Non-breaking, resettable front plates

Ei407*

RadioLINK Manual
Call Point

£44.64 each

MCP401RC**

Hard-wired Manual
Call Point

£34.57 each

*Compatible with the following series: 3000, 2110e, 160e, 140e, 600 and the Ei208WRF.

(Mains powered alarm systems must include a RadioLINK/ SmartLINK component to be compatible)

**Hardwire with any mains powered series.

Miscellaneous Products:



Ei1516 - Masking Plate

Use the masking plate when you are upgrading alarms from the 150 Series & 260 Series to cover any previous installation footprint, saving on redecoration costs

£1.80 each



Ei127 - Surface Mounting Kit

£3.17 each

Ei116 - Anti-Vandal Cage

£21.47 each

Ei533-SK - Fire Extinguisher

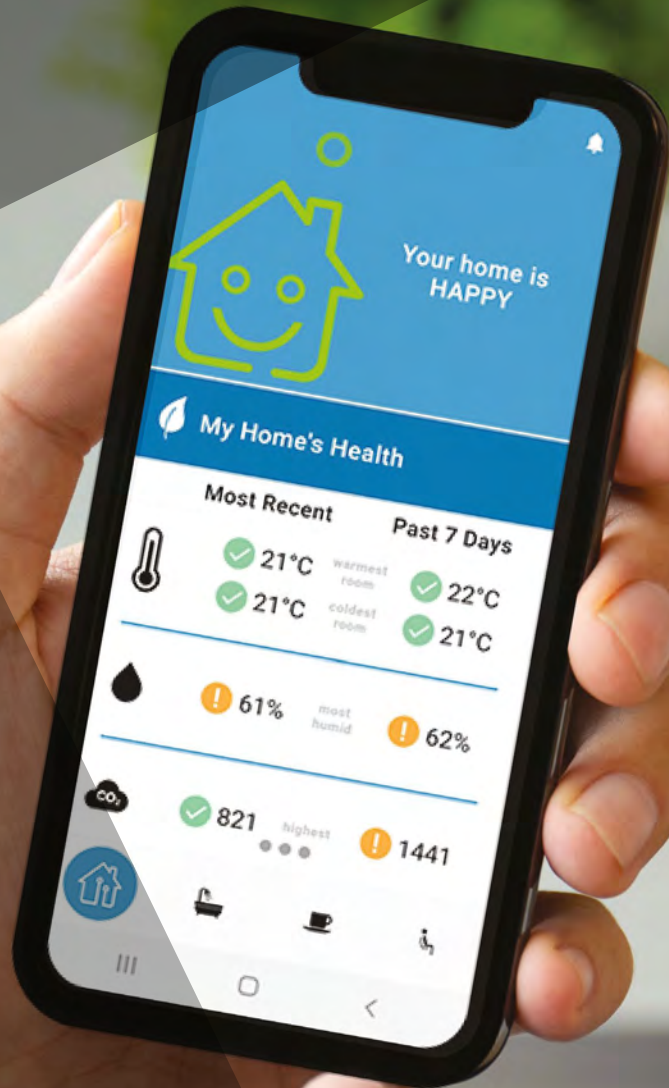
£16.35 each




Ei522 - Fire Blanket

£26.16 each



Technology



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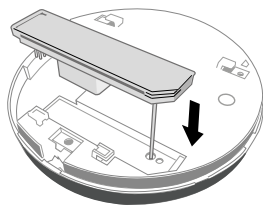


Next generation Radio Frequency Wireless Interconnection.

SmartLINK® technology provides the proven wireless interconnection of RadioLINK™ and RadioLINK+™, but with added functionality. It uses radio frequency signals and is completely compatible with both existing systems.

- No need for cable runs – alarms interconnect using radio frequency signals
- When one alarm's triggered, all others sound throughout the property
- Expand existing systems easily by adding in SmartLINK® technology
- Offers remote, whole-system data monitoring and extraction with no access needed
- Sound mimic feature allowing for ease of identification between fire/CO activations

Module simply plugs into the head of the alarm



Ei3000MRF - SmartLINK Module
£59.90 each



SmartLINK Gateway Ei1000G

- Enables remote management of RF Alarms via the HomeLINK® Dashboard
- Transmits data via GSM network using a built-in SIM
- Compatible with RadioLINK+™, SmartLINK® & HomeLINK® units



IoT for healthier, safer homes

HomeLINK is a multi-award-winning, high-tech software team within Aico that leverages cutting edge smart home integration and analytic technologies. Through our Environmental Sensors, Dashboard and Resident App, HomeLINK provides landlords with a scalable and future-proof approach to their Internet of Things (IoT) strategy.



Operational Costs

By streamlining services our platform offers a net return on investment.



Fuel Poverty

Our technology helps landlords identify those at risk of fuel poverty.



Fire Safety

With a range of fire safety technologies we can improve compliance and safety.



Health & Wellbeing

Alerts, insights and recommendations are provided to improve living conditions.



Customer Excellence

We help landlords improve their services and empower their customers with our Resident App.



Carbon Footprint

Our fuel efficiency insights help landlords optimise and appraise investments.



Compliance

Adhere to requirements outlined in Standards and Legislation, such as the Homes (Fitness for Human Habitation) Act 2018 and the Energy Efficiency Standard for Social Housing.



Air Quality

Benefit from improved indoor air quality and ventilation, leading to better respiratory health.

www.aico.co.uk/HomeLINK



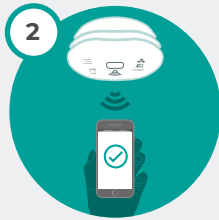
Real-time facts, real-time action.

Award-winning AudioLINK™ technology makes it easy to get real-time data directly from Fire Alarms and Carbon Monoxide alarms – saving time, money and lives. All you need is an AudioLINK™ enabled alarm, a smartphone or tablet and the free AudioLINK™ app.

Extract the data in three easy steps...



1 Press the test button on the alarm 3 times in 5 seconds



2 The alarm will emit a number of beeps. The phone/tablet will pick these up (via the microphone)



3 The AudioLINK app will generate and display the Alarm Status Report

The Alarm Status Report

The app generates an easy-to-read colour-coded report covering a range of data:

- ✓ Alarm activations
- ✓ Sensor status
- ✓ Record of testing
- ✓ Battery and back up cell status
- ✓ Carbon Monoxide levels from CO alarms
- ✓ Background levels of Carbon Monoxide from CO alarms
- ✓ Dust levels from 3000 series alarms with an optical sensor
- ✓ Data can be emailed directly from a phone or tablet



Intelligent Dust Compensation

Aico's Dust Compensation mechanism ensures best performance and best value.

- Reduces false alarms
- Reduces maintenance costs
- Reduced number of unit replacements
- Ideal when access for maintenance is difficult

The new Multi-Sensor Fire Alarm Ei3024 and Optical Ei3016 have unique self-monitoring Dust Compensation, which will allow the alarm to tolerate up to twice as much dust contamination than a conventional optical alarm. The optical sensor chamber continually self-monitors minute changes in dust levels. If the dust accumulates to a certain level, the alarm automatically compensates to stop false alarms but also continues accurate smoke detection. The sensor has multiple stages of compensation allowing it to adjust throughout the alarm's life. Additionally, if the alarm is cleaned with a vacuum, eliminating the dust, the alarm automatically resets the compensation settings.



Automatic recalibration

The alarm automatically recalibrates the alarm trigger point to compensate for dust, retaining a constant threshold between the dust level and the amount of smoke needed to trigger the alarm.



The European Market Leader
in **Home Life Safety**

THE CONNECTED HOME LIFE SAFETY SOLUTION

**CREATING SMARTER,
SAFER HOMES.**



Aico with HomeLINK offer a network of alarms and sensors to improve the health and safety of homes throughout the UK.

Find out more at:
www.aico.co.uk/smart-home



Fire and Carbon Monoxide (CO)

Our 3000 Series offers full circle Fire and CO protection, wirelessly connecting to the SmartLINK Gateway via Radio Frequency for remote whole-system data monitoring.



HomeLINK Environmental Sensors

Monitor temperature, humidity and Carbon Dioxide to gain insights into indoor environmental conditions to create better maintained, healthier, energy efficient homes.



SmartLINK Gateway and App

The SmartLINK App enables quick and easy installation of alarms and sensors with SmartLINK technology, while the Gateway is the central hub for data, extracting information from connected devices.



The HomeLINK Dashboard

Data is extracted from all connected alarms and sensors with actionable insights presented on the dashboard, segmented by high, medium and low risk.



The Resident App

With the HomeLINK Resident App, residents are provided with a healthy home rating, handy advice on how to improve the quality of their home, and Fire and CO alarm testing reminders.

Smart Home - The LINK

Smart Home – The LINK

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How It Works

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Smart Home - The LINK

Connected homes are safer homes.

We are paving the way in home life safety, offering a network of Alarms and Sensors to improve the health and safety of homes across the UK. So, how does it all link together?

Fire and Carbon Monoxide Protection

Each alarm in the 3000 Series is SmartLINK compatible for wireless connection to the SmartLINK Gateway via Radio Frequency (RF), offering remote whole-system data monitoring when property access is unavailable.



The SmartLINK Gateway and App

The SmartLINK App enables easy installation of Alarms and Sensors with SmartLINK technology enabling quick and wireless interconnection to the system.

The SmartLINK Gateway is the central hub for data, extracting information from both Fire and Carbon Monoxide alarm systems and Environmental Sensors to increase efficiency and improve asset management.

HomeLINK Environmental Sensors

Sensors monitor temperature, humidity and CO₂ to provide insights into indoor environmental conditions. SmartLINK compatibility combined with Advanced Machine Learning technology means that invaluable data readings from the Sensors are extracted, interpreted and reported via the HomeLINK dashboard.



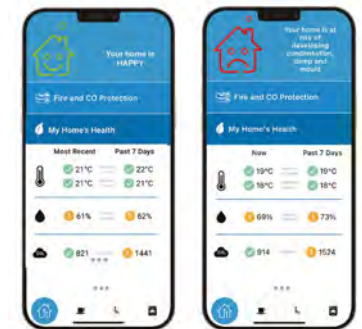
The Dashboard

Data is extracted from all connected Alarms and Sensors with actionable insights presented on the dashboard, segmented by high, medium and low risk. Use data to tackle problems, maintain compliance and enable preventative strategies within housing stock.

The Resident App

The HomeLINK Resident App provides residents with a healthy home rating, temperature, humidity and CO₂ data, and handy advice on the measures they can take to improve the quality of their home. As well as providing notifications with Fire & Carbon Monoxide Alarm testing reminders and alarm activation events.

Find out more at:
www.aico.co.uk/smart-home/



How it works

Our home life safety products wirelessly connect to our Ei1000G SmartLINK Gateway; an innovative and award-winning system that extracts and collates data directly from our Alarm heads and HomeLINK Environmental Sensors.



Simply plug-in the Ei3000MRF SmartLINK module for wireless interconnection between alarms and to communicate with the Gateway. For Alarms and Environmental Sensors, scan the device's QR code and install via the SmartLINK app.



Install the Gateway to provide communication to the HomeLINK dashboard



Set-up the HomeLINK Dashboard to receive:

- Live connected monitoring of SmartLINK alarm systems
- Notifications of alarm activations and system events via alert, text message or e-mail.
- Actionable insights from HomeLINK Environmental Sensors

Legislation

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Levels of protection

The three Categories

BS 5839-6:2019+A1:2020 states that the level of protection to occupants needs to be directly related to the fire risk. However, it does list three categories to describe the level of protection the systems provide. Where and how many alarms are installed will affect how quickly a fire is detected – generally the higher the Category, the higher the level of protection.

LD1

LD2

LD3

LD1 - High Protection

All areas where a fire could start (apart from bathrooms, shower rooms and toilets) e.g:

- Hallways
- Landings
- Living Room
- Kitchen
- Bedrooms



For more details and guidance, visit www.aico.co.uk/technical-support/standards-regulations

LD2 - Medium Protection

Escape routes and high risk areas, e.g.:

- Hallways
- Landings
- Living Room
- Kitchen



LD3 - Minimum Protection

Escape routes and circulation spaces, e.g.:

- Hallways
- Landings



The latest revisions to BS 5839-6:2019+A1:2020

British Standard BS 5839-6:2019+A1:2020 covers specific recommendations for fire alarm systems in all domestic premises, both for new-build and existing properties. The standard details all aspects relating to the design and installation of fire alarm systems, and the latest updates include changes to the type of alarm system to install, the areas of the property they protect (Table 1), testing schedules (Table 3) and Carbon Monoxide alarms.

The Updated Alarm Grades

The new grades covering the different types of alarm system have meant Grade C being redefined, Grade D being replaced by D1 and D2 and Grade F replaced by F1 and F2. Grades B and E have been removed.

Changes to Table 1

Table 1 of the standard outlines how the level of protection needs to be directly related to the fire risk, putting systems into three categories – LD1, LD2 and LD3 – the higher the category, the higher the level of protection. With the new Alarm Grades, Table 1 has been revised thus:

Rented

New Build / Existing

Grade D1, LD2^P

Sheltered Housing Existing

Individual Dwellings: Grade D2, LD2^P
Communal Area: Grade A, L4/L5

New / Materially Altered

Individual Dwellings: Grade D2, LD1^P
Communal Area: Grade A, L4/L5

House of Multiple Occupancy

Existing (1-2 Storey)

Grade D1, LD2^P

Owner Occupied

New Build (2-3 Storey)

Grade D2, LD2^P

Testing and Maintenance

The latest revisions have a clearer and simpler Table 3 covering alarm testing and servicing by Grade.

Additional Updates – Carbon Monoxide Alarm Interconnection

Now, mains powered Carbon Monoxide alarms conforming to BS EN 50291 and installed in compliance with BS EN 50292 can be interlinked with the fire detection and alarm system if the manufacturer of all the components recommends it.



Changes to Scottish Legislation

What you need to know

Changes to legislation for Scotland came into force in February 2019, and apply to ALL homes.

They set out that from February 2022, all homes should have:

- Smoke alarms in every circulation space on each storey, such as hallways and landings
- Smoke alarms installed in the room most frequently used for general daytime living purposes
- Heat alarms installed in every kitchen
- All smoke and heat alarms should be interlinked
- Carbon Monoxide alarms to be fitted where there is a fuel burning appliance or a flue
- This applies to ALL homeowners and landlords



Carbon Monoxide

Best Practice

An alarm should be installed in every room containing a fuel burning appliance, and additional alarms should be installed to ensure that adequate warning is given for occupants in other rooms, by locating alarms in:

- Remote rooms in which the occupant spends considerable time whilst awake and from which they may not be able to hear an alarm sounding in another area of the property.
- Every sleeping room.

For more details and guidance,
call the Technical Team on 01691 664100 or visit
www.aico.co.uk/technical-support/standards-regulations



Homes (Fitness for Human Habitation) Act 2018

The Homes (Fitness for Human Habitation) Act 2018 has applied to nearly all tenancies in existence since the 20th March 2020. The legislation requires all landlords, both private and social, to ensure that their properties are fit for human habitation, and requires compliance with the Housing Health and Safety Rating System (HHSRS). When a landlord fails to meet these obligations, residents have the right to take action in court.

Compliance with the HHSRS

The HHSRS is a risk based evaluation tool that provides guidance for landlords in relation to the safety of their housing stock, outlining the hazards and disrepair to be avoided.

Safety

- ✗ Asbestos and manufactured metal fibres
- ✗ Carbon Monoxide
- ✗ Fuel gas (leaks in gas appliances)
- ✗ Volatile organic compounds
- ✗ Food safety
- ✗ Falls - bath or shower, stairs, steps
- ✗ Electrical hazards
- ✗ Fire and fire safety
- ✗ Entry by intruders (not having lock on door)

Environmental

- ✗ Serious problem with damp
- ✗ Not enough ventilation
- ✗ Damp and mould growth
- ✗ Biocides (chemicals that treat mould)
- ✗ Domestic hygiene, pests and refuse

Using technology to mitigate disrepair claims

Through utilising Internet of Things (IoT) and Machine Learning technologies within properties, landlords can gather information and receive alerts as soon as a potential safety hazard occurs, creating safer, healthier homes for residents. For example, Environmental Sensors can detect the risk of condensation, damp and mould, as well as excess cold, excess heat, draught risk and indoor air quality.

Visit [Smart Home](#) – The [LINK](#) for more information. Pages 42-44

Quality of Life

- ✗ Not enough natural light
- ✗ Problem with hot and cold water
- ✗ Personal hygiene, sanitation and drainage
- ✗ Difficult to cook food or wash up
- ✗ Excess cold
- ✗ Excess heat
- ✗ Crowding and space
- ✗ Lighting
- ✗ Noise

Structural

- ✗ The building has been neglected and is in a bad condition
- ✗ The building is unstable
- ✗ Physical strain associated with operating amenities (i.e very heavy doors)
- ✗ Structural collapse and falling elements

Product List

Complete List of Products

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Product List

Product Reference	Item Description	Trade Price ea.	Page No.
Ei1000G	SmartLINK Gateway, Mains with Lithium Back-up	£173.25	21
Ei1020	Temperature and Humidity Environmental Sensor	£78.75	21
Ei1025	Temperature, Humidity and CO ² Environmental Sensor	£122.50	21
Ei116	Anti-vandal cage for use with 3000, 160e & 140e Series Alarms	£21.47	32
Ei127	Surface Mount Kit for 3000, 160e and 140e Series Alarms	£3.17	32
Ei128R	Relay Module Mains powered with 5A relay for use with Ei2110e, 160e and 140e Series Alarms	£33.12	30
Ei128RBU	Relay Module Mains powered with 5A relay & 10 year lithium battery back-up for 3000, 160e and 140e Series Alarms	£54.95	30
Ei129	Switched Input Module Mains powered with 10 year lithium battery back-up for 3000, 160e and 140e Series Alarms	£35.19	30
Ei144e	Heat Alarm. Mains powered with alkaline battery back-up and easi-fit base	£40.75	25
Ei146e	Optical Smoke Alarm. Mains powered with alkaline battery back-up and easi-fit base	£31.85	24
Ei1516	Masking plate for changing from 150 Series alarms to 3000, 160e, 2110e or 140e Series Alarms	£1.80	32
Ei1529RC	Alarm Control Switch for use with 3000, 160e, 2110e or 140e Series Alarms	£37.26	29
Ei168RC	RadioLINK base - Mains powered with 10 year lithium battery back-up for 140e Series Alarms	£59.90	25
Ei170RF	RadioLINK Alarm for Deaf/Hard of Hearing - Mains powered with 10 year lithium battery back-up for 3000, 160e, 2110e or 140e Series Alarms. Includes strobe light & vibrating pad	£214.03	31
Ei171RF	RadioLINK Flashing Strobe. Mains powered with 10 year rechargeable lithium back-up	£187.68	31
Ei174	Vibrating Pad for use with Alarms for the Deaf/Hard of Hearing	£26.36	31
Ei200MRF	Plug-in RadioLINK module for Ei208W and Ei208DW	£59.90	27
Ei208	AudioLINK Carbon Monoxide Alarm with sealed in 10 year Lithium cell. Battery powered	£24.74	27
Ei208W	AudioLINK Carbon Monoxide Alarm with sealed in 10 year lithium cell. RadioLINK upgradeable. Battery powered	£32.42	27

• These products are available but not listed in this publication, please check the website or contact us for more details.

Product Reference	Item Description	Trade Price ea.	Page No.
Ei208WRF	AudioLINK & RadioLINK Carbon Monoxide Alarm with sealed in 10 year lithium cell. Battery powered	£79.86	26
Ei3000MRF	SmartLINK module for use with 3000 Alarm Series	£59.90	19
Ei3014	Heat Alarm. 230V with 10 Year Rechargeable Lithium Back-up. AudioLINK. SmartLINK upgradeable	£58.07	19
Ei3014EF	eco-fit Heat Alarm. 230V with 10 Year Rechargeable Lithium Back-up. AudioLINK. SmartLINK upgradeable (10 pack)	£580.65	28
Ei3016	Optical Alarm. 230V with 10 Year Rechargeable Lithium Back-up. AudioLINK. SmartLINK upgradeable	£55.77	18
Ei3016EF	eco-fit Optical Alarm. 230V with 10 Year Rechargeable Lithium Back-up. AudioLINK. SmartLINK upgradeable (10 pack)	£557.66	28
Ei3018	Carbon Monoxide Alarm. 230V with 10 Year Rechargeable Lithium Back-up. AudioLINK. SmartLINK upgradeable	£68.55	18
Ei3018EF	eco-fit Carbon Monoxide Alarm. 230V with 10 Year Rechargeable Lithium Back-up. AudioLINK. SmartLINK upgradeable (10 pack)	£685.55	28
Ei3024	Multi Sensor - Optical & Heat Alarm. 230V with 10 Year Rechargeable Lithium Back-up. AudioLINK. SmartLINK upgradeable	£72.74	18
Ei3024EF	eco-fit Multi Sensor - Optical & Heat Alarm. 230V with 10 Year Rechargeable Lithium Back-up. AudioLINK. SmartLINK upgradeable (10 pack)	£727.44	28
Ei3028	Multi Sensor - Heat & CO Alarm. 230V with 10 Year chargeable Lithium Back-up. AudioLINK. SmartLINK upgradeable	£89.72	18
Ei3028EF	eco-fit Multi Sensor - Optical & Heat Alarm. 230V with 10 Year Rechargeable Lithium Back-up. AudioLINK. SmartLINK upgradeable (10 pack)	£897.23	28
Ei407	RadioLINK Manual Call Point with sealed in 10 year Lithium cell	£44.64	32
Ei408	RadioLINK Switched Input Module with sealed in 10 year lithium cell	£47.18	30
Ei413	RadioLINK Panel Interface	£58.87	30
Ei414	RadioLINK+ Fire/CO Alarm Interface. Mains powered with 10 year rechargeable lithium back up	£192.94	30
Ei428	RadioLINK Relay Module with 5A relay. Mains powered with 10 year rechargeable lithium back-up	£75.26	30
Ei450	RadioLINK Alarm Controller with sealed in 10 year lithium cell. Fire and CO indicators	£65.23	29

• These products are available but not listed in this publication, please check the website or contact us for more details.

Product Reference	Item Description	Trade Price ea.	Page No.
Ei522	Fire Blanket for domestic use - 1.1m x 1.1m	£26.16	32
Ei533-SK	Dry powder fire extinguisher for domestic use	£16.35	32
Ei603	Heat Alarm with sealed in 10 year lithium cell	£37.60	23
Ei603RF	RadioLINK+ Heat Alarm with sealed in 10 year lithium cell. Battery powered	£92.73	23
Ei650	Optical Smoke Alarm with sealed in 10 year lithium cell. Battery powered	£36.09	23
Ei650RF	RadioLINK+ Optical Smoke Alarm with sealed in 10 year lithium cell. Battery powered	£91.21	22
MCP401RC	Manual Call Point. Mains powered with 10 year rechargeable lithium back-up for use with Ei3000, 160e and 140e Series Alarms	£34.57	32
MCPSK2	Spare key for MCP401RC Manual Call Point	£1.13	•
MCRSK	Spare key for Ei407 Manual Call Point	£1.13	•
SAB300C	Xenon Strobe Light - Mains powered with clear lens	£39.94	31
SAB300R	Xenon Strobe Light - Mains powered with red lens	£39.94	31
YO3	Multi Frequency Sounder	£80.52	31

• These products are available but not listed in this publication, please check the website or contact us for more details.

Our RSM Network

Find Your RSM

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www.aico.co.uk/RSM

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TEST

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