



The New
3000 Series
Full Circle Protection

Intelligent Simplicity

Intelligence in every alarm
Simplicity for every install







Aico specialise in residential Fire & CO protection

- it's all we do and have done for the past 25 years.

We have more mains powered alarms fitted in homes across the UK than any other manufacturer and are the only Smoke, Heat and CO Alarm manufacturer to test every single alarm multiple times during the manufacturing process.

By fitting Aico alarms you can be confident you're getting the best protection.

Tried, tested, trusted.

an  Company

The 3000 Series

Full Circle Protection

The new 3000 Series provides whole property coverage from one series. This technologically advanced series detects both Fire and Carbon Monoxide (CO), ensuring your whole property is protected.



Simplicity for every install



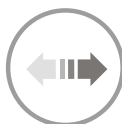
Specify a whole property from one series



Quick and reliable interconnection



Easi-fit bases; one base fits all



Backwards compatibility



The 3000 Series is our most **intelligent** series yet, whilst maintaining the **simplicity** our customers value.

Intelligence in every alarm



It's here

- the Multi-Sensor Heat & Carbon Monoxide Alarm

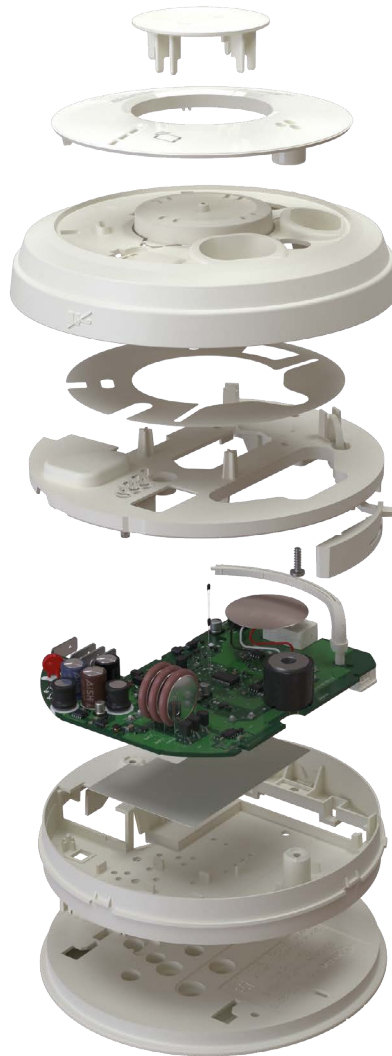
There are a number of Fire & Carbon Monoxide (CO) risks within a typical home. For example, cookers in kitchens pose a fire risk, being responsible for 50% of accidental fires in dwellings*. In addition, many

of these areas also contain gas fuelled appliances such as boilers which present an additional risk from CO - a poisonous gas that you can't see, smell or taste.

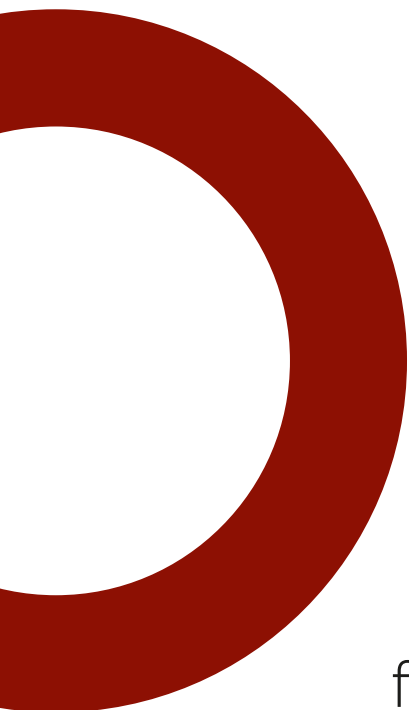


**It's vital to protect
against both risks.**

Previously, the answer to this would have been to fit two alarms, a Heat Alarm and a CO Alarm, however this protection can now easily be achieved by using the new Ei3028 Multi-Sensor which detects both Fire and Carbon Monoxide in a single alarm.



*Fire Statistics: England
April 2015 to March 2016



The alarm
contains our
tried and tested
thermistor heat
sensor and
our **proven**
electrochemical
CO sensor,
providing **protection**
from both Fire and CO.

The Ei3028 Heat & CO Alarm is built with the same high quality, reliable and proven technology as in our other Heat and CO alarms but combined in one alarm and with advanced intelligent technology.

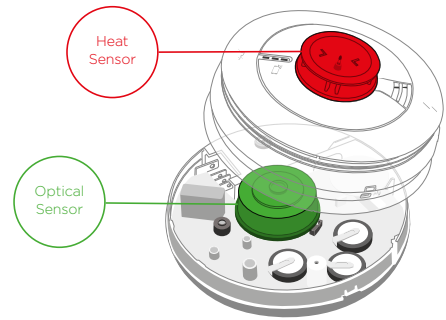
Benefits of the Ei3028 Multi-Sensor Heat & CO Alarm

- ✓ **Install one alarm** instead of two for combined Fire & CO coverage
- ✓ **Contains two proven, reliable sensors**
- ✓ **Flashing Fire and CO indicators**
- ✓ **Easy install** – simply slide the new alarm onto an existing **easi-fit** base
- ✓ **Compatible with SmartLINK® Wireless Interconnection** using our award-winning RF technology for simple system set up, house-coding and system expansion
- ✓ **Real time local data extraction using AudioLINK™** or whole system remote data monitoring and extraction with **SmartLINK®**
- ✓ **Fully backwards compatible with existing Aico systems**



Total Fire Coverage...

Smoke alarms have different sensors to detect different fire types. With the Ei3024 Multi-Sensor Fire Alarm sensor choice is simple as this alarm provides total fire coverage. Its combination of a Heat and an Optical sensor means that it can detect all fire types.



Multi-Sensor alarm

passes all these test fires to get the kitemarks below



BS EN 14604:2005 &
BS EN 5446-2:2003
plus extra
commercial
test fires

Heat

alarms would pass this test fire. Heat alarms have the kitemark below



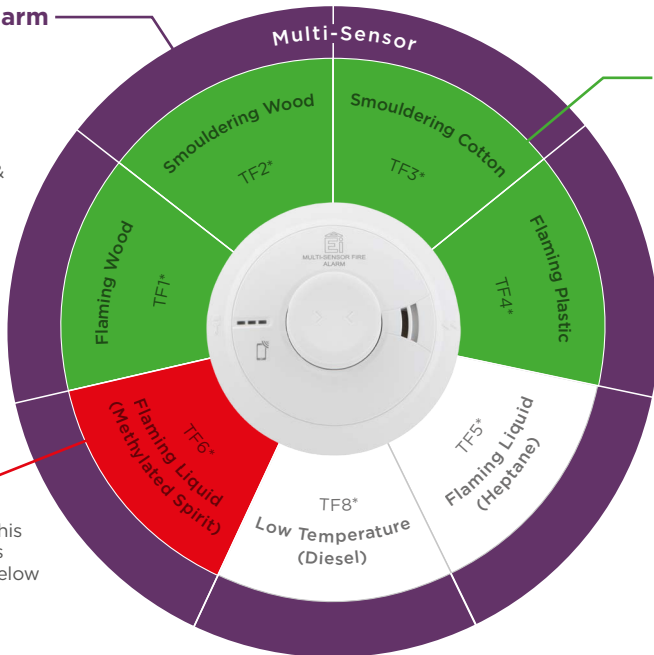
BS EN 5446-2:2003

Optical

alarms have to pass these test fires to get the kitemark below



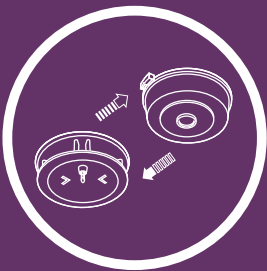
BS EN 14604:2005



...with the **Ei3024**



The alarm provides total coverage to all fire types by actively monitoring both sensors. If a temperature rise is detected, the intelligent alarm software increases its sensitivity to smoke, detecting the fire quicker and more accurately.



Data sent between dual sensors monitoring heat and smoke levels



If a rise in temperature is detected by the heat sensor...



...data will relay to the optical sensor, increasing it's sensitivity to smoke





Benefits of the Ei3024 Multi-Sensor Fire Alarm

- ✓ **Contains two proven, reliable sensors**
- ✓ **Intelligent software** allows the sensors to work together
- ✓ **easi-fit** base means you can swap new alarms onto existing bases
- ✓ **Compatible with SmartLINK® Wireless Interconnection** using our award-winning RF technology for simple system set up, house-coding and system expansion
- ✓ **Real time local data extraction using AudioLINK™** or whole system remote data monitoring and extraction with **SmartLINK®**
- ✓ **Intelligent Dust Compensation** and mesh insect shield around the Optical sensor to reduce false alarms
- ✓ **Fully backwards compatible with existing Aico systems**

Meet the rest of the **3000 Series**



Benefits of all alarms in the 3000 Series

- ✓ **Mains powered** with a 10year rechargeable Lithium cell back-up
- ✓ **Real time local data extraction** using  **AudioLINK™**
- ✓  **SmartLINK®** capability for wireless interconnection, data extraction and whole system monitoring
- ✓ All alarms in the series fit on  **easi-fit** bases
- ✓ **Combined test/silence button**
- ✓ **5 year guarantee**
- ✓ **3rd party BSI accredited** 
- ✓ **Made in Ireland**



Ei3018
CO Alarm (Single Sensor)

Contains our proven electro-chemical sensor and for the first time, this CO alarm fits on our *easi-fit* base.



Ei3016
Optical Alarm (Single Sensor)

Intelligent dust compensation and insect mesh shield for reduction of false alarms



Hallway



Landing



Living Room



Dining Room



Ei3014
Heat Alarm (Single Sensor)

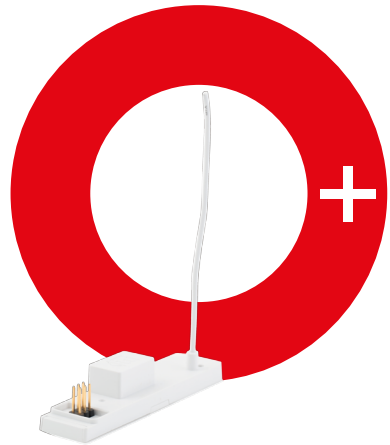
Fast response thermistor
(triggers at 58°C)



Kitchen



Garage



Ei3000MRF
SmartLINK Module

The  SmartLINK[®] Module allows for wireless interconnection and data monitoring. Simply plug in to any 3000 Series alarm head.



The **next**
generation
of Radio
Frequency
Wireless
Interconnection

With the introduction of the 3000 Series we have also advanced our award-winning Radio Frequency (RF) Wireless Interconnection and Data Monitoring technology.

We've made it smarter, easier and future-proof. We've taken our renowned RadioLINK+ technology and added a new range of functions and features.

Wireless Interconnection

The new SmartLINK technology still provides the same proven wireless interconnection technology as RadioLINK and RadioLINK+, using Radio Frequency signals and is completely compatible with both existing systems.

- ✓ **No need for tricky cable runs,** alarms interconnect using Radio Frequency signals
- ✓ **Expand existing systems easily** by adding in SmartLINK technology
- ✓ **When one alarm is triggered, all others sound for audibility throughout the property**
- ✓ **Achieve remote whole-system data monitoring and extraction** when access is not possible

To add SmartLINK technology to your system, simply plug SmartLINK modules into any 3000 Series alarm head.





House Coding

To ensure all the alarms in your system sound when one is triggered, they must be House Coded together. When House Coded, the alarms will learn each other as a system to ensure secure interconnection and no cross-signals with any neighbouring systems. We've made House Coding as simple as possible to reduce time at install, whilst keeping it secure and reliable. For more information, including a how-to-video, about how to House Code, visit

www.aico.co.uk/house-coding

Remote House Coding

Want to expand a system with extra alarms for increased coverage? Not only do you no longer have the disruption of running new interconnect cable, you now also save time at install as we've made House Coding new alarms to an existing system even quicker and easier.



Coming Soon...

SmartLINK will soon enable real-time configurable notifications of alarm activations and events via a Gateway and Portal system. This will allow real-time notifications via email or text as well as full visibility of your

connected SmartLINK systems. Due to the depth of detail this will provide, reporting tools will enable you to forecast alarm replacement and maintenance requirements.





Real time facts... Real time action

The entire 3000 Series contains AudioLINK technology, which allows you to extract real time data from the Alarm using its sounder directly to a smartphone or tablet via a free App.

AudioLINK can be used:

- ✓ As part of the property checks prior to change of tenants
.....
- ✓ To generate real time information if a tenant reports an issue with the alarms
.....
- ✓ To keep a record of the alarm's history
.....
- ✓ As an asset management tool
.....



Extracting the Data

Extract the data from the alarm to generate a real time Alarm Status Report in 3 easy steps:



STEP 1

Press the test button on the alarm 3 times

STEP 2

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

STEP 3

The phone/App will show the Alarm Status Report

The Alarm Status Report

The Alarm Status Report generated will be for the life of the alarm so far. It is colour coded to identify the urgency of any issues. This information can be used to tell

if there are any immediate issues with the alarm, for example if the alarm is coming to the end of its life, and deal with them directly.

The image shows a smartphone displaying an 'Ei3028 Report' with various alarm status metrics. A larger, zoomed-in view of the report is shown to the right, with lines pointing to specific data points. The report includes sections for CO levels, power status, battery, sensor status, test button activations, CO activations, background CO levels, heat activations, and peak temperature detected.

Section	Item	Value	Last Event / Time
ALARM AGE	ALARM AGE	10.6 days	
	REPLACEMENT DUE	Jan 2028	
	MAINS POWER STATUS	OFF	
TIMES MAINS POWER OFF	TIMES MAINS POWER OFF	0	LAST TIME
	ALARM ON FOR	3.7 days	
BATTERY	BATTERY	[Battery Icon]	
	EVENTS	0	LAST EVENT
LOW BATTERY		0	-
SENSOR STATUS		OK	
TEST BUTTON ACTIVATIONS	TEST BUTTON ACTIVATIONS	3	LAST TIME
	TIMES ALARM REMOVED	0	LAST TIME
ALARMS	HIGH CO >10ppm	0	-
	MEDIUM CO >4ppm	1	0.3 days
	LOW CO >1ppm	2	0.8 days
PEAK CO LEVEL	PEAK CO LEVEL	100ppm	LAST TIME
	PRESENT CO LEVEL	0ppm	
BACKGROUND CO	BACKGROUND CO	10	LAST EVENT
	>20ppm FOR 30 MINUTES		
HEAT	HEAT	0	LAST EVENT
	PEAK TEMPERATURE DETECTED	30°C	LAST TIME
LOWEST TEMPERATURE DETECTED	LOWEST TEMPERATURE DETECTED	10°C	LAST TIME
	PRESENT ROOM TEMPERATURE	24°C	



Report Storage and Sharing

Reports can be saved and emailed directly from the phone or tablet to one or multiple addresses, being sent as a PDF report or exported

as a .CSV file for simple integration with housing management and maintenance systems.

Benefits of AudioLINK

- ✓ **Data can be extracted simply** by using a smartphone/tablet and our free App
- ✓ **Extraction can be done on-site, with an alarm in-situ**
- ✓ **Can save time for response** as the contractors are on-site and able to gain access to real time fact
- ✓ **Data can be extracted multiple times**
- ✓ **Data is stored for the life of the alarm** enabling historic information to be retained
- ✓ **Alarm Status Report provides evidence** required for maintenance of records

And saves time, money and lives

Dust Compensation. Responsive Safety.

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

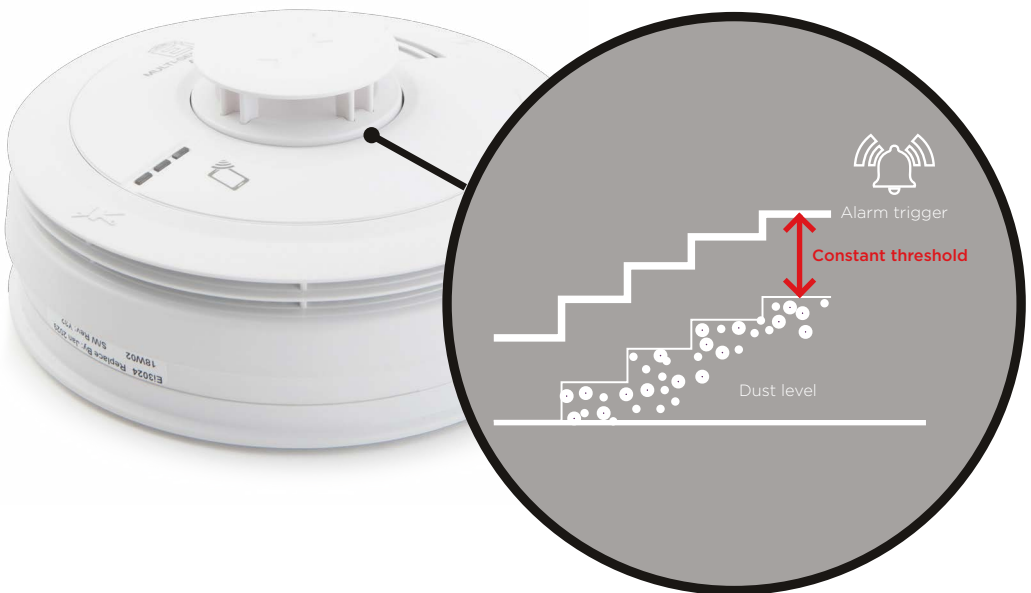
- ✓ **Reduces false alarms**
- ✓ **Reduces maintenance costs**
- ✓ **Reduced number of unit replacements**
- ✓ **Ideal when access for maintenance is difficult**

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.





Designed by Installers. Built by Aico.

All alarms in the 3000 Series maintain our renowned *easi-fit* base. This includes the Ei3018 CO Alarm, our first ever CO Alarm on an *easi-fit* base which means you can now install an entire property, from one series, on the same base. By maintaining the same footprint, it is easier and quicker for installers to swap an older Aico Alarm for a

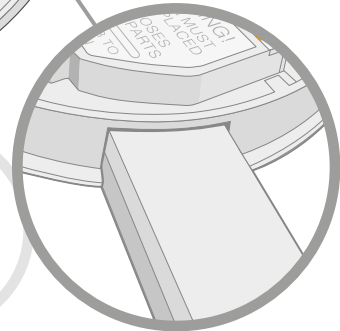
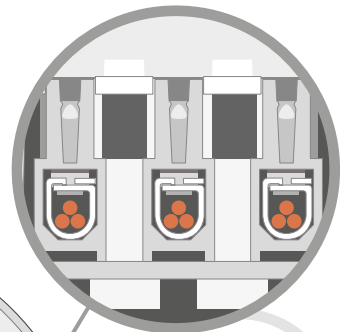
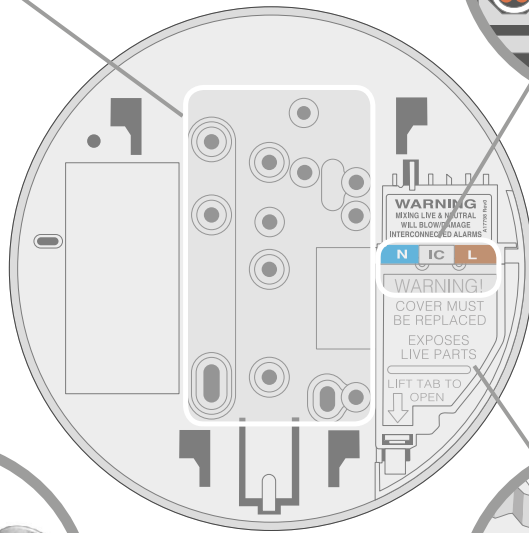
3000 Series Alarm. Simply slide off the old alarm and slide on the new 3000 Series alarm. The *easi-fit* base continues to give quick, reliable installation of new alarms also. All the features that we included from our Installers' feedback still make for our best base design yet.

Align with
previous
installations

Larger
terminals

No.8 Screws
can now
be used

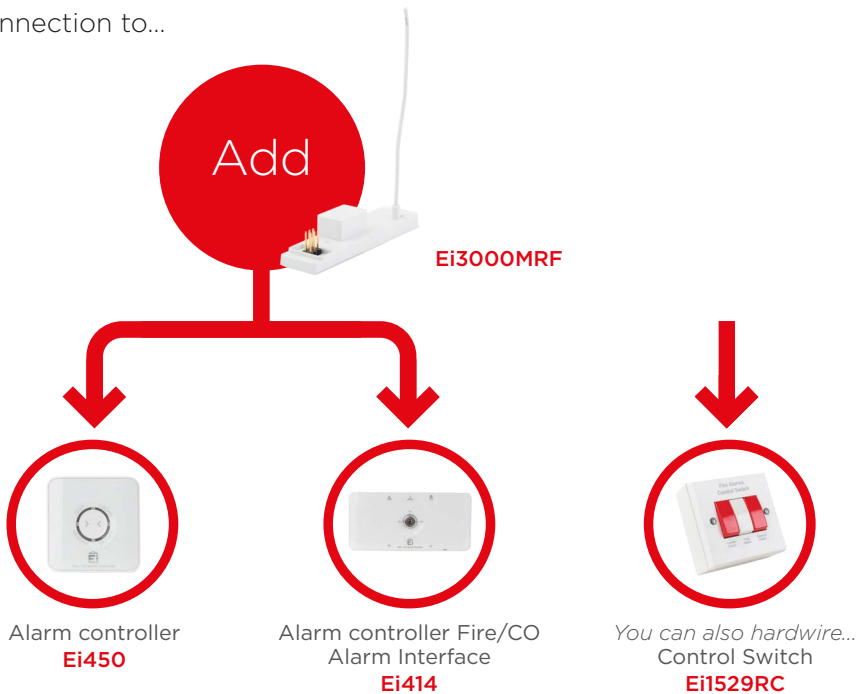
Trunking
Pull-out





Compatible Accessories

Add the Ei3000MRF for wireless interconnection to...



Additional accessories are available.
See www.aico.co.uk for more information.

Need further support?

Need further support?

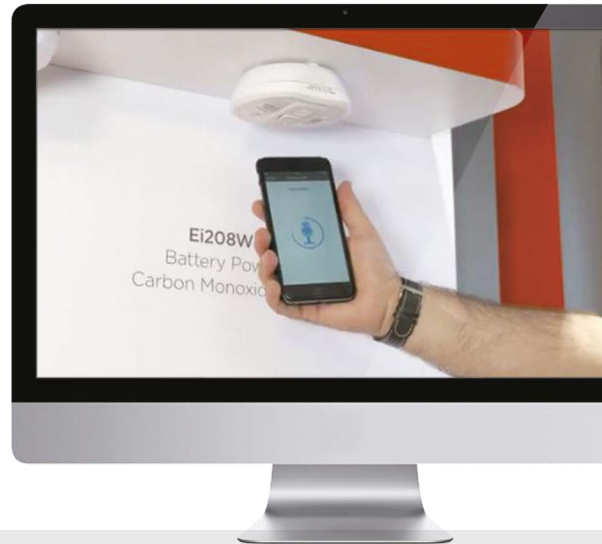
On our website you can find a whole section dedicated to support for our customers covering Frequently Asked Questions, Standards and Regulations, Building Regulations and everything from siting alarms to fault finding.

Go to: www.aico.co.uk/support

Rather watch a video?

Our range of videos covers a number of support topics including our alarm technologies, installation and maintenance.

Go to: www.aico.co.uk/videos



About Aico

Quality

Aico are committed to providing the highest quality Smoke and Carbon Monoxide Alarms designed to provide the most reliable life-saving detection. As a wholly owned subsidiary of Ei Electronics, all alarms are manufactured at the

Ei Electronics factory in Shannon, Ireland. During the manufacturing process, every single alarm is tested at multiple points to ensure consistent high quality and ultimately reliability across all products.

Service

As the UK market leader, we also pride ourselves on our market leading levels of customer service. We have a team of Regional Specification Managers across the UK on hand to support you with everything from alarm selection guidance to advice on install as well

as supporting Wholesaler branches. Our Internal Sales team also provide over the phone support as well as ensuring orders are dealt with correctly and promptly. The Technical Team can support you with any more complicated queries and to aid you with specifications if needed.



Innovation

Innovation, research and development are the life blood of Aico and its parent company, Ei Electronics. All the alarms and accessories are not just

manufactured in the factory, but are developed with input from Aico and the customer feedback Aico have gained.

Aico is a wholly owned subsidiary of Ei Electronics

an  Company

Ei Electronics is the acknowledged market leader in residential fire safety products and is one of Ireland's largest indigenous electronics companies, employing more than 800 people.

Over 100 million alarms have been manufactured in Ireland since the company began 50 years ago.

Acknowledgements

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Our policy is one of continuous improvement; we reserve the right to amend designs and specifications without prior notice. Every care has been taken to ensure that the content of this document is correct at the time of printing and we shall be under no liability whatsoever for any errors or omissions.

Need to contact us?

Aico have Regional Specification Managers situated throughout the UK that can help in a consultative role to advise on alarm selection, siting, installation and maintenance. To find the nearest one to you please use this map.



Regional Specification Managers

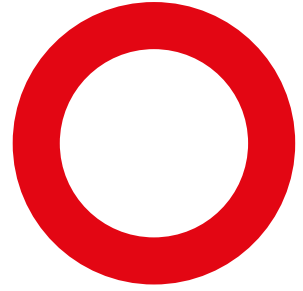
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February 2019

an  Company

The Ei logo consists of a red house-like shape above the letters 'Ei' in a bold, sans-serif font.

Aico Ltd is a wholly owned subsidiary of Ei Electronics - Europe's Leader in Residential Fire + Gas Detection