

SONA™



CLEVER NOT COMPLICATED.

Welcome to a world of simple **fire and carbon monoxide** specification.

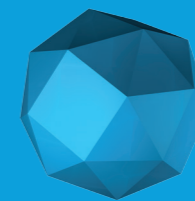


Welcome to the World of SONA.

A complete range of innovative fire and
carbon monoxide safety solutions.

We've developed the most technically
advanced products that are easy to specify,
easy to fit and easy to maintain.

Clever not complicated.



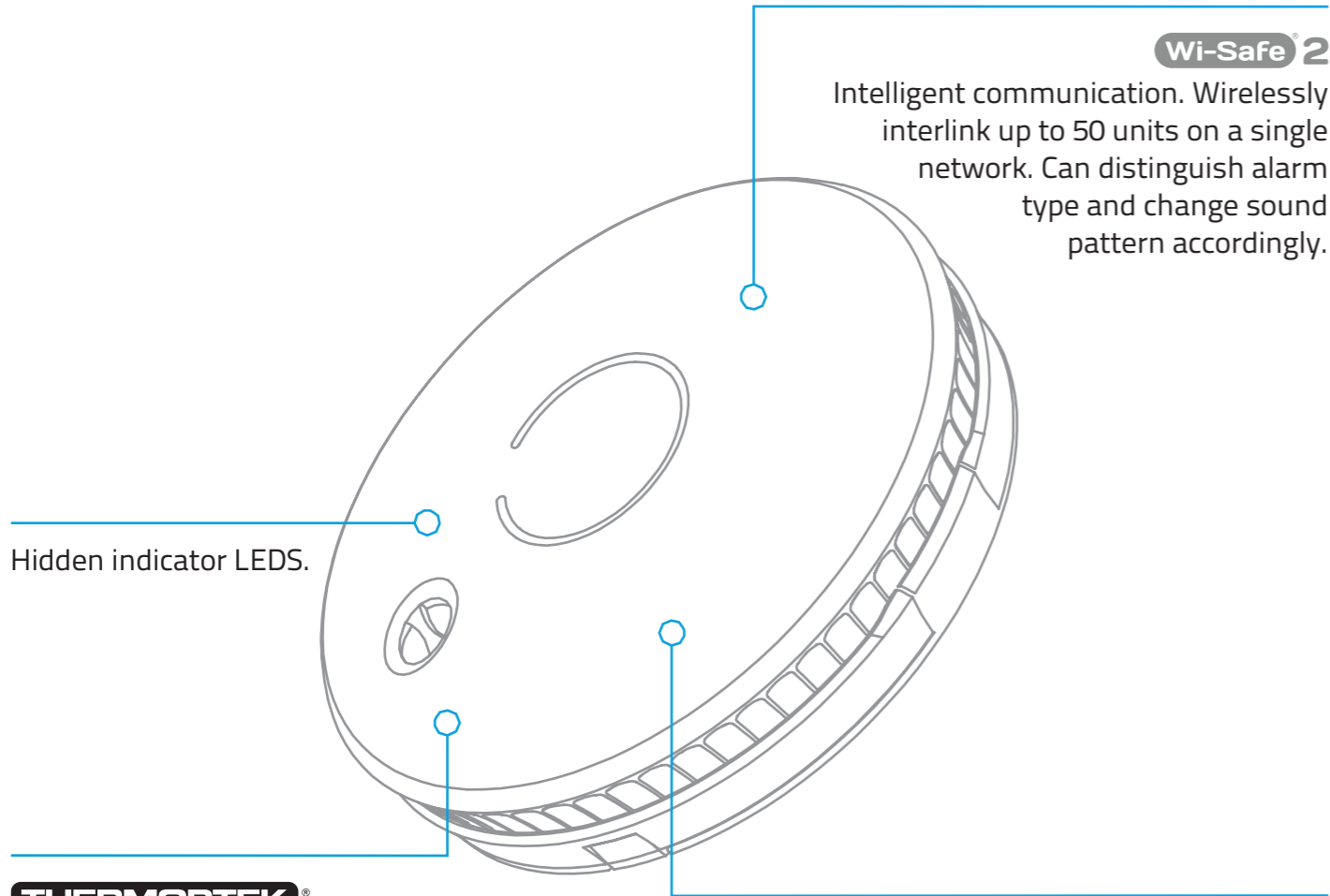
Mains Powered Smoke Alarm

Incorporating Thermoptek sensing technology,
as used by UK fire and rescue services.
Fast detection of both fast flaming and slow
smouldering fires in a single alarm.

Wireless Model: WSM-SN-1
Non-Wireless Model: SM-SN-1

Mains Powered Smoke Alarm


Wireless Model: WSM-SN-1




THERMOPTTEK[®]

Thermoptek sensing technology for fast detection of both fast flaming and slow smouldering fires in a single alarm. The smoke alarm technology of choice for UK fire and rescue Services.

Wi-Safe 2 module contained within WSM-SN-1 independently tested to RF standard ETSI EN 300 220-2 V2.3.2 (2010-02) by TRaC Global Ltd EN300489-1 & -3 / EN300220-2 - Radio

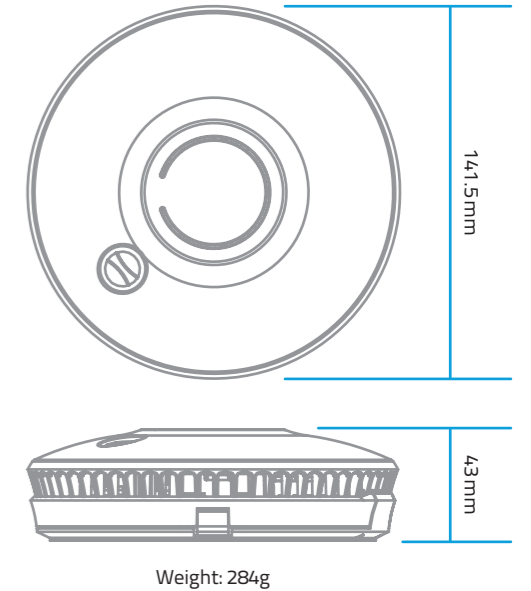
 **BS EN 14604:2005**
Licence No: KM557789

 **CE¹⁴**
0086
0086-CPR-557790
EN 14604:2005
DOP:SADOP-WSM-SN-1

Key Features

- 10 Year sealed for life battery back-up.
- Low energy usage - typically less than 10% of the average AC smoke alarm.
- Ultra slim, integrated mounting base. No fuss - just quick and simple installation.
- Combined central / smart silence / locate button.
- Mixed system compatibility:
 - Wireless and hardwired.
 - AC and DC.
- Low profile design style.

Dimensions



Supply voltage	230V AC, 50Hz
Battery back-up	10 year Lithium battery
Technology	Thermoptek and Wi-Safe 2
Alarm sound level	85dB (A) at 3m (minimum)
Installation positions	Ceiling / Wall
Operating temperature	+4 °C to +38 °C
Operating humidity	Up to 90% RH non-condensing
Storage temperature	-20 °C to 60 °C
Storage humidity	Up to 93% RH non condensing
Plastic material	UL94 V0 Flame Retardant

Warranty	5 years
Master pack quantity	4
Approvals	BS EN 14604: 2005 / CE ETSI EN 300 220-2 V2.3.2 (2010-02) EN300489-1 & -3 EN300220-2 - Radio
Operating Frequency	868 MHz
Max No. of connected units (network)	50 units
Networking	Multi-directional communication
Range	35m (over 200m in clear air)

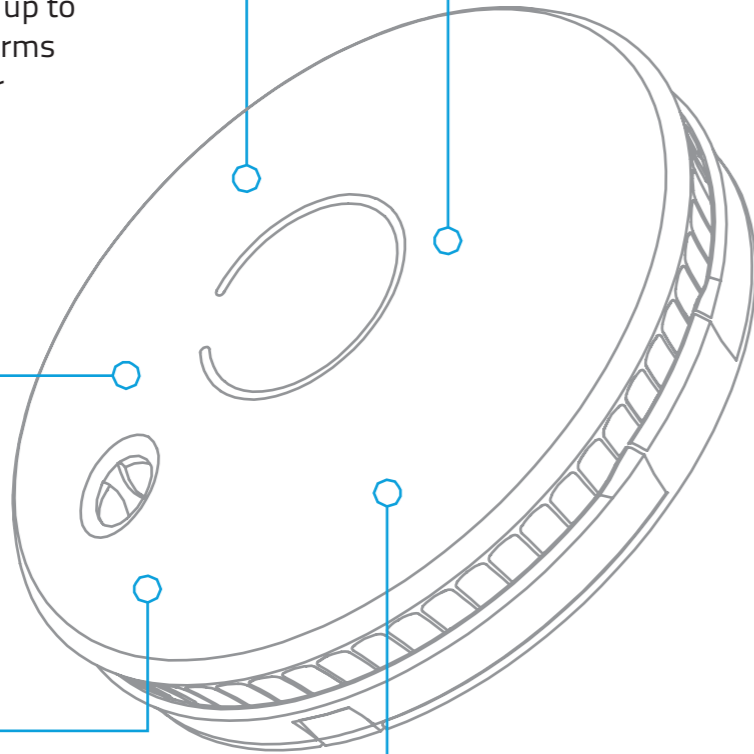
Mains Powered Smoke Alarm

Non-Wireless Model: SM-SN-1

Hardwire interconnect up to 30 smoke and heat alarms on a single network for maximum coverage.

Hidden indicator LEDs.

Our most environmentally friendly AC smoke alarm, based on a proven carbon footprint of = **13.9kgCO₂e per alarm.**



THERMOPTEK®

Thermoptek sensing technology for fast detection of both fast flaming and slow smouldering fires in a single alarm. The smoke alarm technology of choice for UK fire and rescue Services.

BS EN 14604:2005
Licence No: KM557789

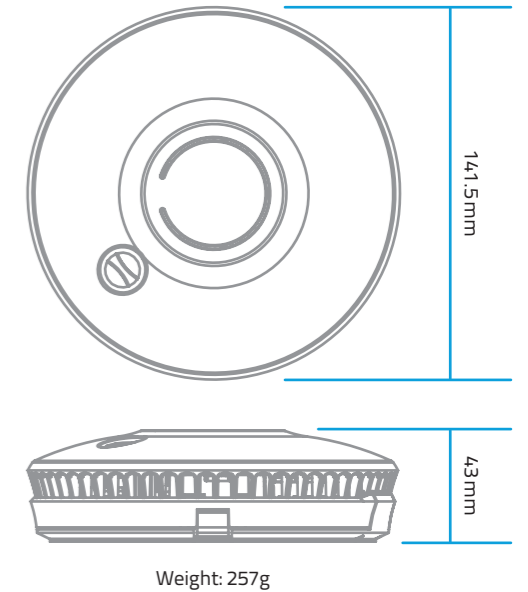
CE₁₄
0086
0086-CPR-557790
EN 14604:2005
DOP:SADOP-SM-SN-1

Key Features

- 10 Year sealed for life battery back-up.
- Low energy usage - typically less than 10% of the average AC smoke alarm.
- Ultra slim, integrated mounting base. No fuss - just quick and simple installation.
- Combined central / smart silence / locate button.
- Mixed system compatibility:
 - Wireless and hardwired.
 - AC and DC.
- Intelligent hardwired communication can distinguish alarm type and change sound pattern accordingly.
- Low profile design style.

Supply voltage	230V AC, 50Hz
Battery back-up	10 year Lithium battery
Technology	Thermoptek
Alarm sound level	85dB (A) at 3m (minimum)
Installation positions	Ceiling / Wall
Operating temperature	+4°C to +38°C
Operating humidity	Up to 90% RH non-condensing

Dimensions



Storage temperature	-20°C to 60°C
Storage humidity	Up to 93% RH non condensing
Plastic material	UL94 V0 Flame Retardant
Warranty	5 years
Master pack quantity	4
Approval	BS EN 14604: 2005 / CE



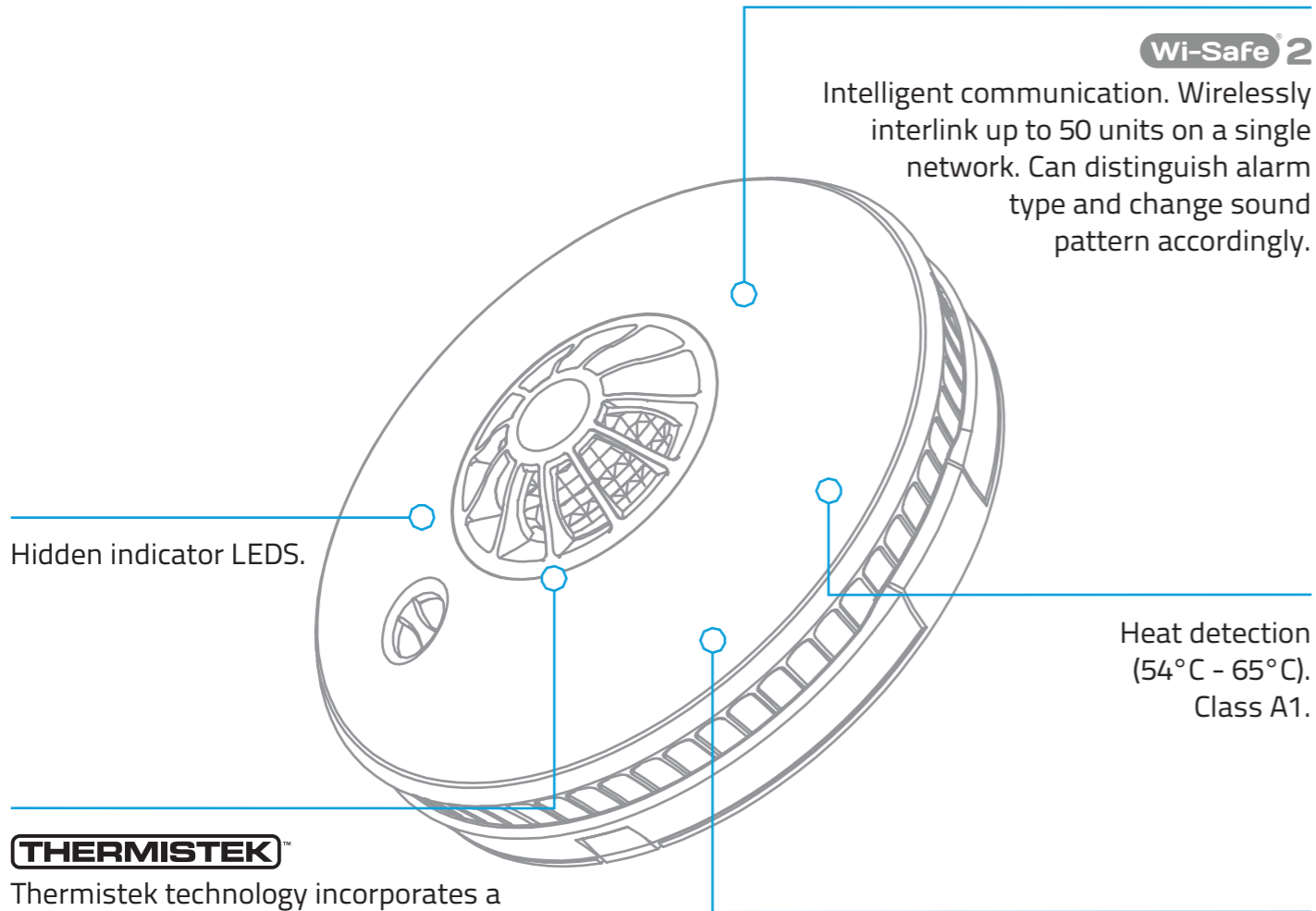
Mains Powered Heat Alarm

The ground breaking Class A1 heat alarm with Thermistek sensing technology, provides a faster warning of fire.

Wireless Model: WHM-SN-1
Non-Wireless Model: HM-SN-1

Mains Powered Heat Alarm

Wireless Model: WHM-SN-1



THERMISTEK™

Thermistek technology incorporates a unique radiant heat dish (patent pending) to heighten performance. Constantly monitoring for temperature change, the alarm will sound earlier if the temperature is predicted to rise above a predetermined threshold.

Wi-Safe 2 module contained within WHM-SN-1
independently tested to RF standard ETSI EN
300 220-2 V2.3.2 (2010-02) by TRaC Global Ltd
EN300489-1 &-3 / EN300220-2 - Radio

BS 5446-2: 2003
Licence No: KM607094

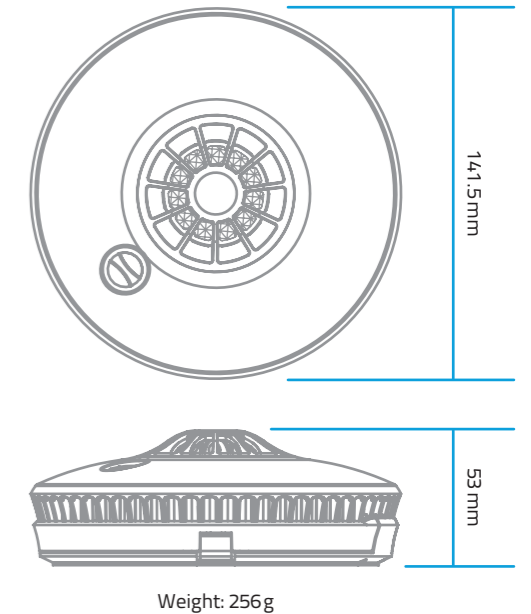


Key Features

- For use in kitchens, garages, lofts and areas not generally suitable for smoke alarms.
- 10 Year sealed for life battery back-up.
- Low energy usage - typically less than 10% of the average AC heat alarm.
- Ultra slim, integrated mounting base. No fuss - just quick and simple installation.
- Combined central test / smart silence / locate button.
- Mixed system compatibility:
 - Wireless and hardwired.
 - AC and DC.
- Low profile design style.

Supply voltage	230V AC, 50Hz
Battery back-up	10 year Lithium battery
Technology	Thermistek and Wi-Safe 2
Alarm sound level	85dB (A) at 3m (minimum)
Installation positions	Ceiling
Alarms at temperature range	54°C to 65°C
Operating temperature	+4°C to +38°C
Operating humidity	Up to 90% RH non-condensing
Storage temperature	-20°C to 60°C
Storage humidity	Up to 93% RH non condensing
Plastic material	UL94 V0 Flame Retardant

Dimensions



Warranty	5 years
Master pack quantity	4
Approvals	BS 5446-2: 2003 / CE ETSI EN 300 220-2 V2.3.2 (2010-02) EN300489-1 &-3 EN300220-2 - Radio
Operating Frequency	868 MHz
Max No. of connected units (network)	50 units
Networking	Multi-directional communication
Range	35m (over 200m in clear air)

Mains Powered Heat Alarm

Non-Wireless Model: HM-SN-1

Our most environmentally friendly AC heat alarm, based on a proven carbon footprint of = **13.6kgCO₂e per alarm.**

Hidden indicator LEDS.

Hardwire interconnect up to 30 heat and smoke alarms on a single network for maximum coverage.

Heat detection (54°C - 65°C).
Class A1.

THERMISTEK™

Thermistek technology incorporates a unique radiant heat dish (patent pending) to heighten performance. Constantly monitoring for temperature change, the alarm will sound earlier if the temperature is predicted to rise above a predetermined threshold.

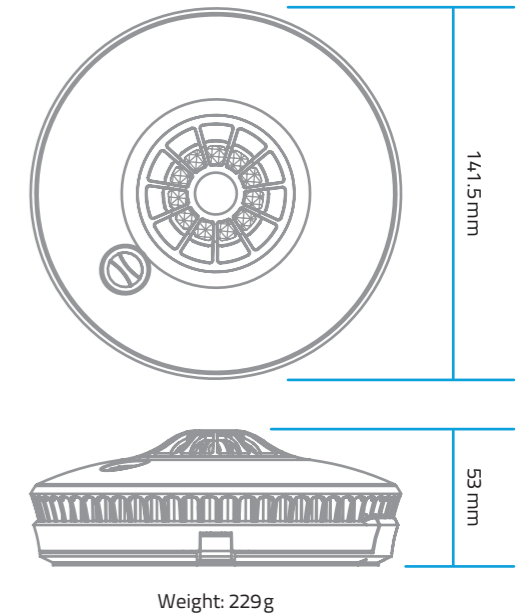


Key Features

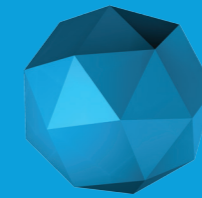
- For use in kitchens, garages, lofts and areas not generally suitable for smoke alarms.
- 10 Year sealed for life battery back-up.
- Low energy usage - typically less than 10% of the average AC heat alarm.
- Ultra slim, integrated mounting base. No fuss - just quick and simple installation.
- Combined central test / smart silence / locate button.
- Mixed system compatibility:
 - Wireless and hardwired.
 - AC and DC.
- Intelligent hardwired communication can distinguish alarm type and change sound pattern accordingly.
- Low profile design style.

Supply voltage	230V AC, 50Hz
Battery back-up	10 year Lithium battery
Technology	Thermistek
Alarm sound level	85dB (A) at 3m (minimum)
Installation positions	Ceiling
Alarms at temperature range	54°C to 65°C
Operating temperature	+4°C to +38°C

Dimensions



Operating humidity	Up to 90 RH non-condensing
Storage temperature	-20°C to 60°C
Storage humidity	Up to 93% RH non condensing
Plastic material	UL94 V0 Flame Retardant
Warranty	5 years
Master pack quantity	4
Approval	BS 5446-2: 2003 / CE



Battery Powered Carbon Monoxide Alarm

10 year, sealed for life battery with Wi-Safe 2 intelligent communication as standard. Our most advanced carbon monoxide (CO) alarm to date.

Wireless Model: WCOB-SN-1

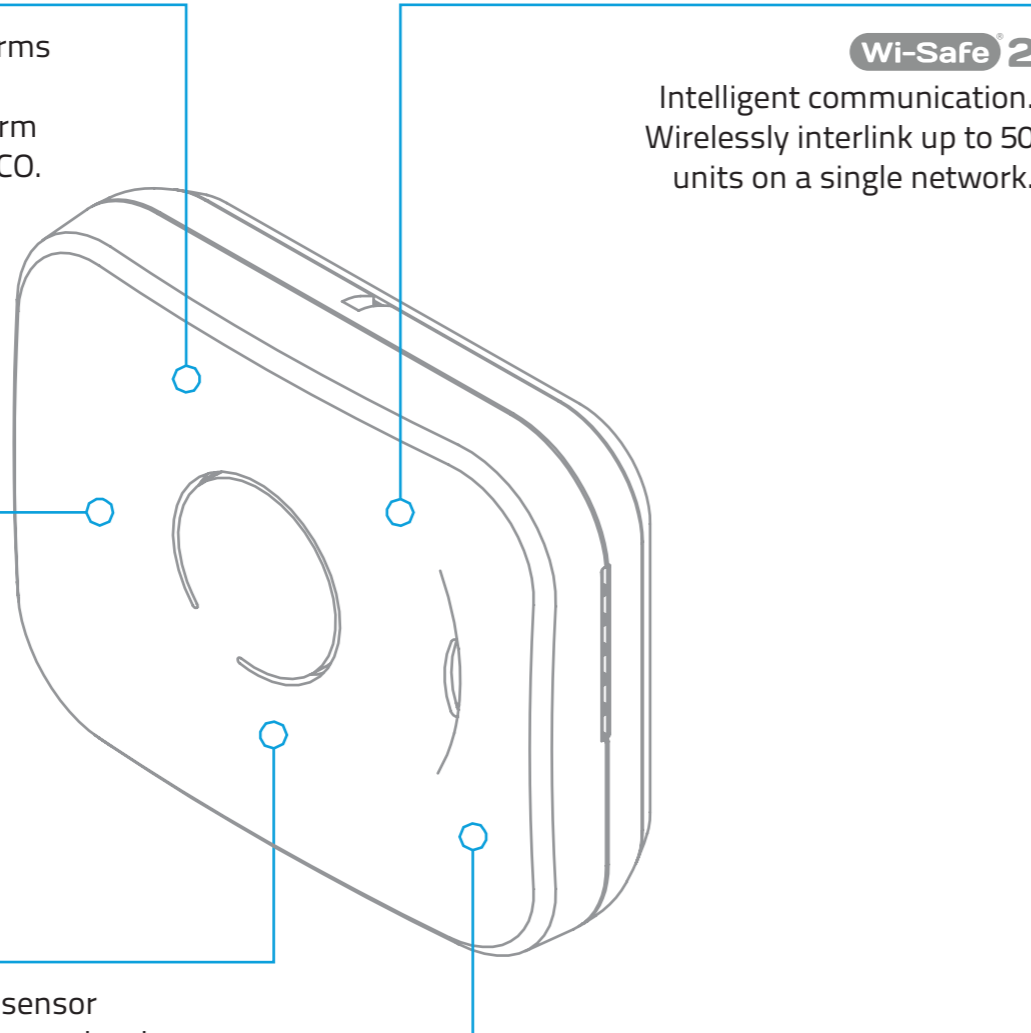
Carbon Monoxide Alarm

Wireless Model: WCOB-SN-1

On a mixed network of alarms (CO, smoke and heat), all alarms will sound a CO alarm pattern upon detection of CO.

Hidden indicator LEDs. (Power, Fault, Alarm)

Advanced electrochemical sensor designed to accurately measure levels of carbon monoxide (CO).



Wi-Safe 2 module contained within WCOB-SN-1 independently tested to RF standard ETSI EN 300 220-2 V2.3.2 (2010-02) by TRaC Global Ltd EN300489-1 &-3 / EN300220-2 - Radio



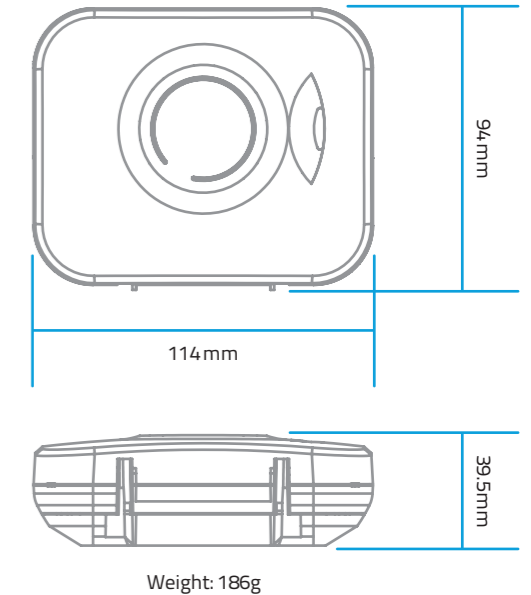
Key Features

- Sealed for life, tamper resistant, 10 year Lithium battery.
- No fuss - quick and simple installation.
- Single pin fitting option.
- Mixed system compatibility:
 - Wireless and hardwired*.
 - AC and DC.
- Resistant to false alarms caused by normal household contaminants.
- End of life indication.

*When used in conjunction with at least one other wireless alarm on a hardwired network.

Supply voltage	3V DC sealed Lithium battery
Technology	Wi-Safe 2
Alarm sound level	85dB (A) at 3m (minimum)
Installation positions	Wall / Freestanding
Operating temperature	+4°C to +38°C
Operating humidity	Up to 90% RH non-condensing
Storage temperature	-20°C to 60°C
Storage humidity	Up to 93% RH non condensing
Plastic material	UL94 V0 Flame Retardant
Warranty	5 years

Dimensions



Master pack quantity	4
Approvals	BS EN 50291-1 & 2: 2010 / CE / ETSI EN 300 220-2 V2.3.2 (2010-02) / EN300489-1 &-3 / EN300220-2 - Radio
Operating Frequency	868 MHz
Max No. of connected units (network)	50 units
Networking	Multi-directional communication
Range	35m (over 200m in clear air)



Battery Powered Alarm Control Unit

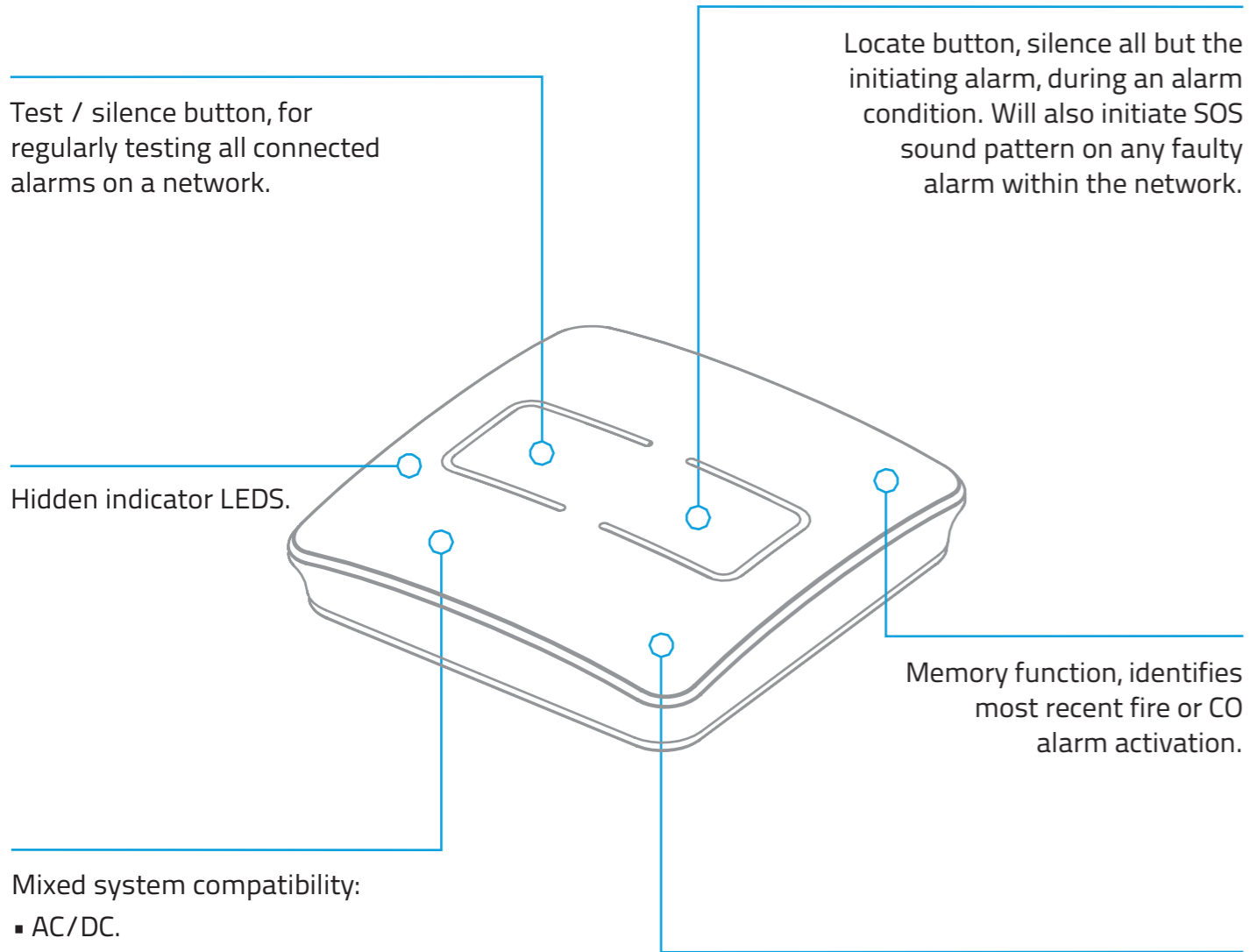
Test - Silence - Locate - Memory

The easiest way to control and manage your network of alarms. 10 year battery for life and Wi-Safe 2 intelligent communication.

Wireless Model: WTSL-SN-1

Alarm Control Unit

Wireless Model: WTSL-SN-1



Mixed system compatibility:

- AC/DC.
- Wireless and non-wireless.*

*When used in conjunction with at least one other wireless alarm on a hardwired network.

Wi-Safe 2 module contained within WTSL-SN-1 independently tested to RF standard ETSI EN 300 220-2 V2.3.2 (2010-02) by TRaC Global Ltd EN300489-1 & -3 / EN300220-2 - Radio

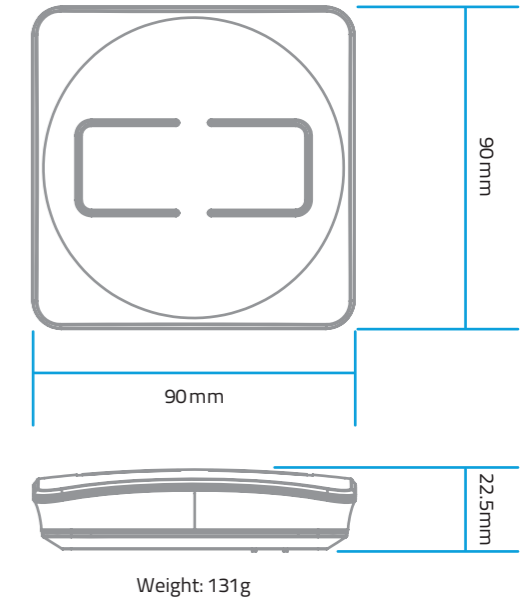


Key Features

- A remote interface between up to 50 products (smoke/heat/CO) within the Wi-Safe 2 product range.
- Test button - Allows you to test all interlinked alarms from one centralised location.
- Silence button - Silence all interlinked smoke and heat alarms.
- Locate button - Silence all interlinked alarms except the initiating alarms.
- Memory function - If one of the alarm indicators is flashing every 10 seconds this indicates that either a compatible smoke, heat or CO alarm has previously been activated.
- Smoke, heat and CO alarm identification.
- 10yr sealed for life battery back-up.

Supply voltage	10yr sealed Alkaline batteries
Technology	Wi-Safe 2
Installation positions	Wall / Portable
Operating temperature	+4°C to +38°C
Operating humidity	Up to 90% RH non-condensing
Storage temperature	-20°C to 60°C
Storage humidity	Up to 93% RH non condensing
Plastic material	UL94 V0 Flame Retardant
Warranty	5 years

Dimensions



Master pack quantity	4
Approvals	CE / ETSI EN 300 220-2 V2.3.2 (2010-02) / EN300489-1 & -3 EN300220-2 - Radio BS EN 60065:2002
Operating Frequency	868 MHz
Max No. of connected units (network)	50 units
Networking	Multi-directional communication
Range	35m (over 200m in clear air)

Next Generation Technology.

We've created technologies that drive safety and reliability and challenge the very nature of traditional product specification.

SONA Technology

THERMOPTEK®

Smoke Alarm Sensing Technology

Improved performance - less complication!

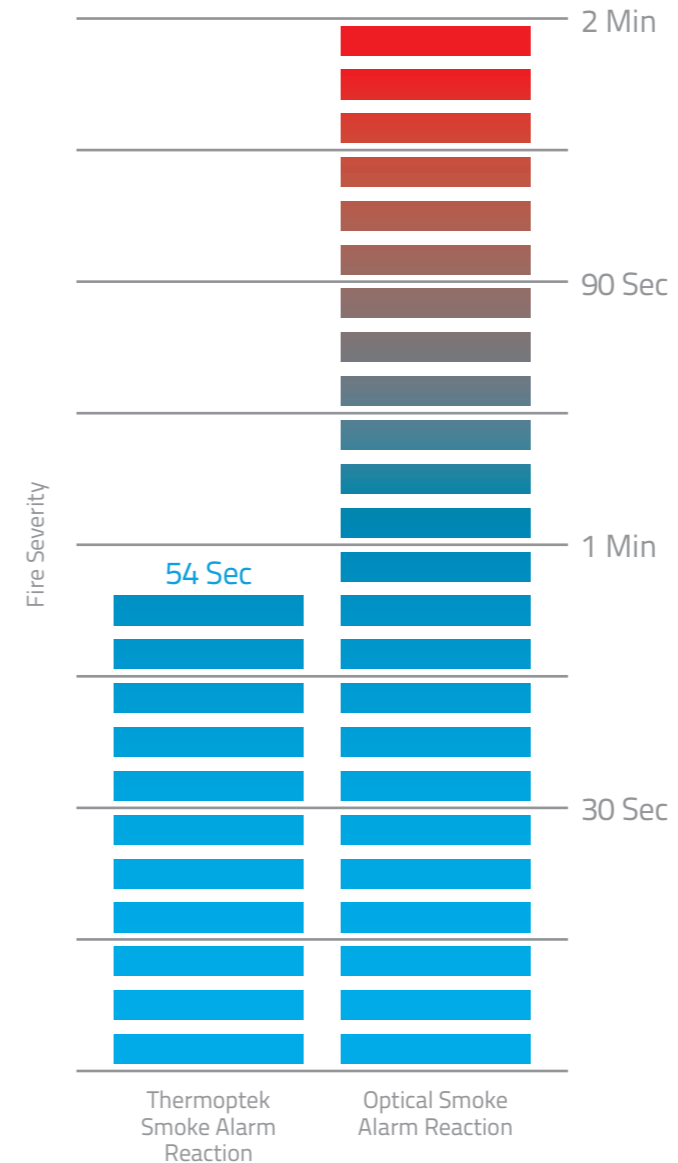
Thermoptek is the smoke alarm technology of choice for UK Fire and Rescue Services.

It brings the benefits of both ionisation and optical into a single alarm.

Large sensing chamber increases stability and alarm accuracy.

Two sensors provide heat readings, to enable early warning of fire.

Precision optical sensors ensures reduced false alarms.



Thermoptek technology combines the very latest in optical sensing with a thermal enhancement. It constantly monitors for temperature change, and if a sudden rate of temperature rise is detected the sensitivity of the alarm is increased.

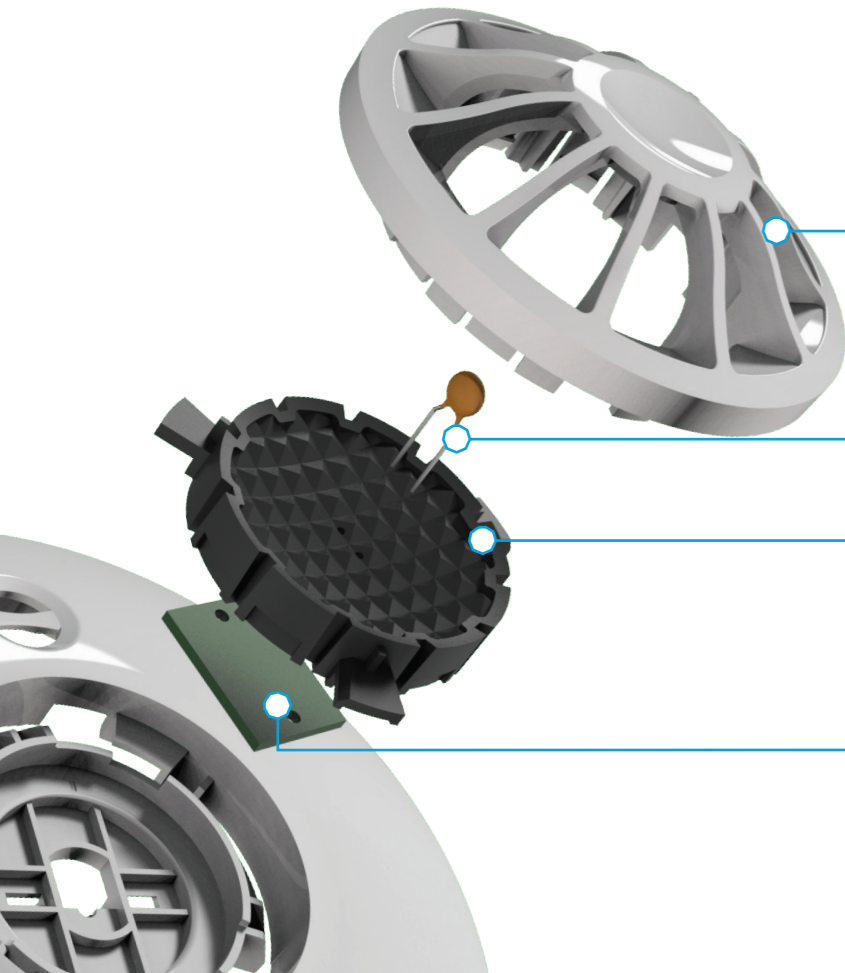
This provides a much faster reaction to both fast flaming and slow smouldering fires in a single alarm.

Unlike ionisation technology, Thermoptek technology has no storage or disposal issues.

SONA Technology

THERMISTEK™

Heat Alarm Sensing Technology



Class A1 detection for a faster response under all conditions.

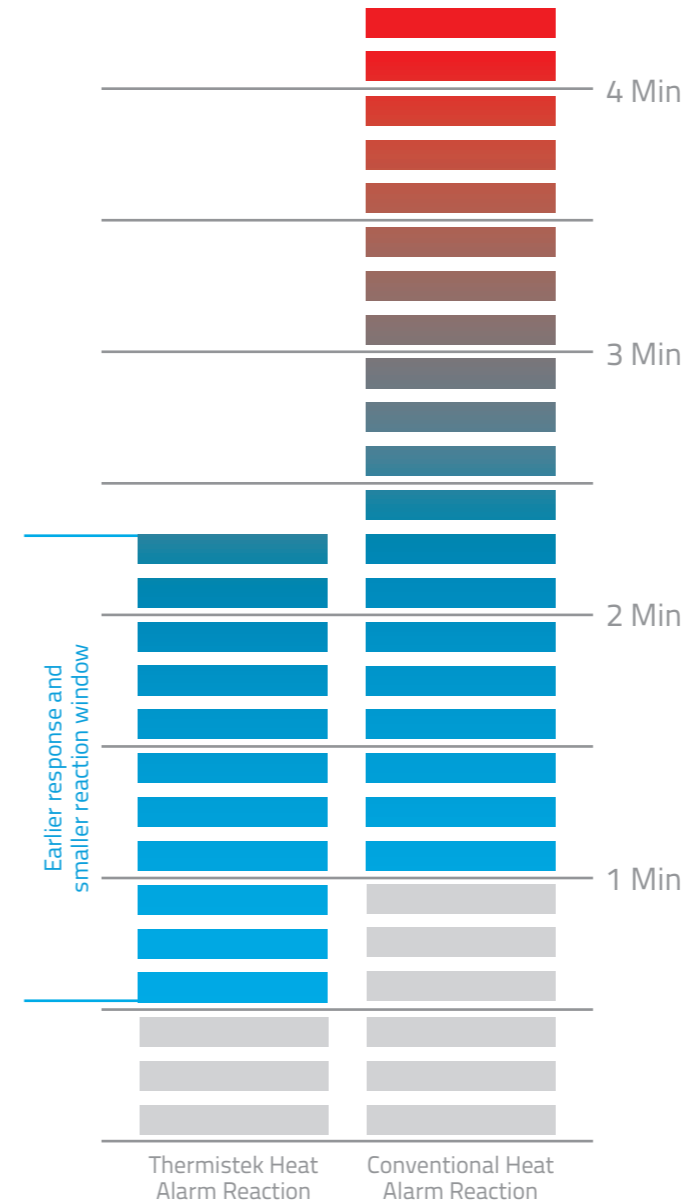
Thermistek technology constantly monitors for temperature change. If a temperature increase is detected, and predicted to exceed an alarm trigger threshold, the alarm will sound.

Innovative design combines large centralised button with durable sensor shield.

High performance temperature sensor.

Unique radiant heat dish reflects heat from a fire onto the thermistor, increasing its reaction time and alerting you to the danger early.

Predictive technology monitors the rate of temperature increase and alerts you to the danger quicker.



62% of fires start in the kitchen*, the unique radiant dish provides a much quicker response time to fast flaming fires - up to 2 minutes quicker.

*Fire Statistics, Great Britain, 2012-13

Wireless Technology **Wi-Safe[®] 2**

Intelligent wireless communication with any other product with Wi-Safe 2™ technology inside.

One alarm sounds they all sound. Up to 50 alarms can be interlinked together for maximum coverage.

Each alarm communicates with others by continuously sending and receiving wireless signals, otherwise known as a 'meshed network.'

When one alarm detects fire or CO, it sends a signal to all connected alarms in an almost instantaneous reaction across the network.

Wi-Safe 2 simplifies installation.

All products can be linked together in a matter of seconds with a simple two touch connection process.

SONA Smoke and Heat alarms are available in both wireless and non-wireless options.

The CO alarm and control unit are wireless as standard.

Create a perfectly tailored system to suit the needs of the property.

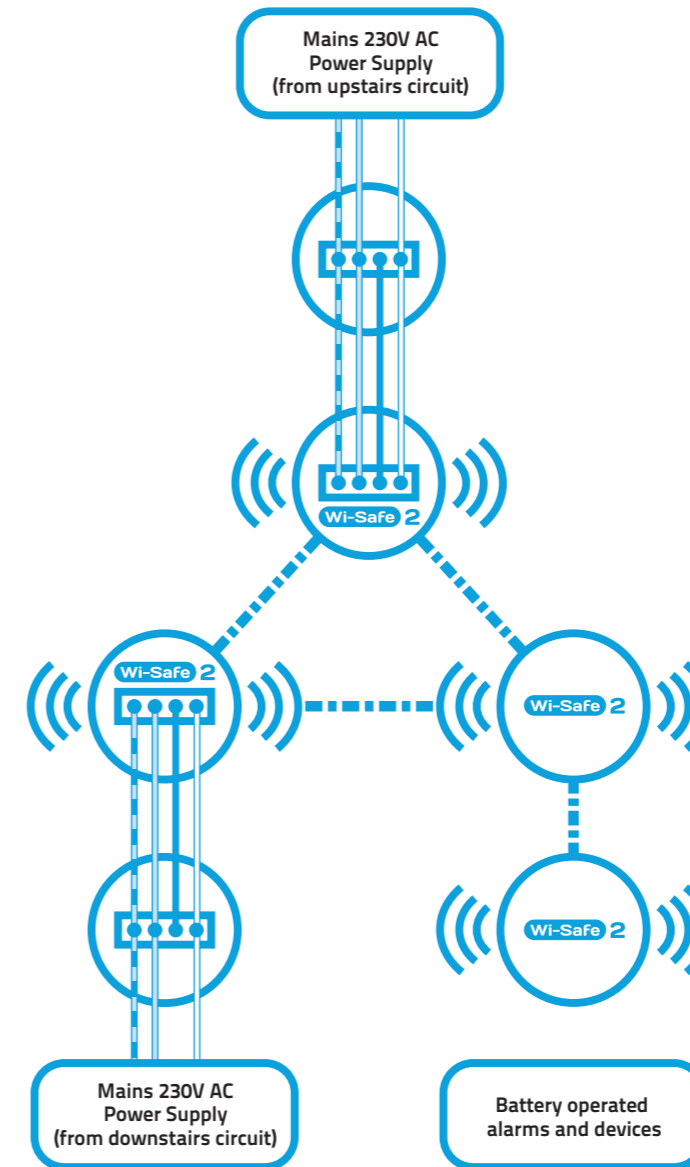
The inclusion of a Wi-Safe 2 alarm in any part of a mains fed network will allow for mixed system compatibility; hardwire, wireless, 230VAC and 3VDC alarms and devices can all be brought together on a single system.

Test, Silence, and Locate from anywhere in the home.

The alarm control unit can be added to any SONA network with Wi-Safe 2 alarms.

Any danger, reported by any alarm.

When any alarm detects a danger, smoke or CO, all alarms sound. This means that you are fully alerted, anywhere in the property.



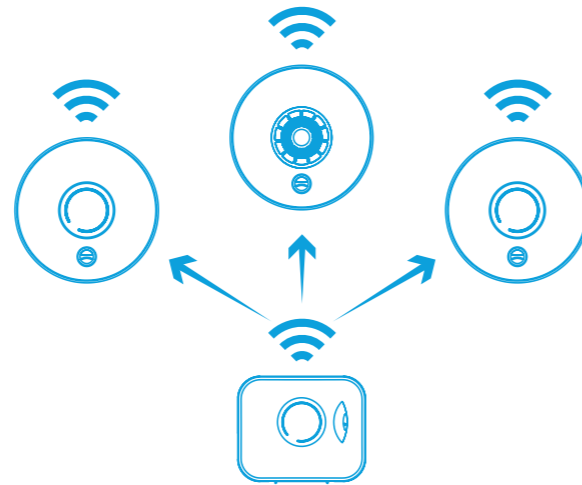
SONA Technology

Electrochemical CO Sensing Technology

Industry standard sensing and more.

Electrochemical technology is an accurate and proven method of sensing CO. All our alarms feature our unique, patented designed and manufactured sensor.

Alarms are 100% calibrated and tested with a precise concentration of CO test gas prior to leaving the production line.

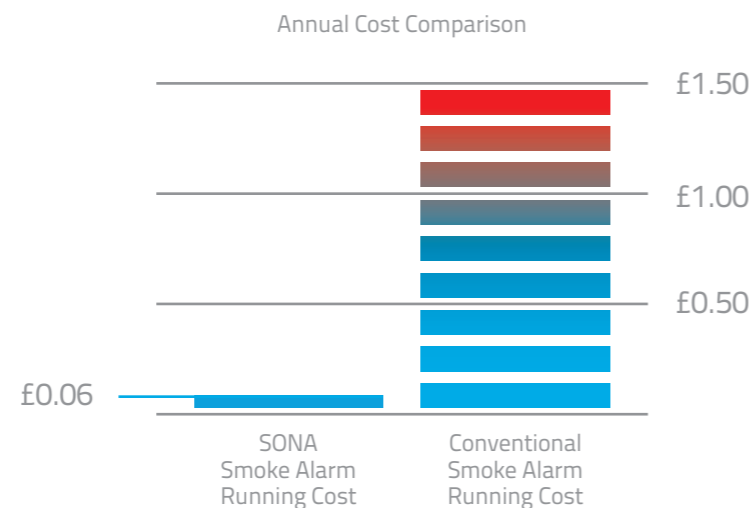


Low Energy Use

Our most environmentally friendly alarms.

All SONA smoke and heat alarms have extremely low energy usage and running cost; on average this is less than 10% of other AC alarms.

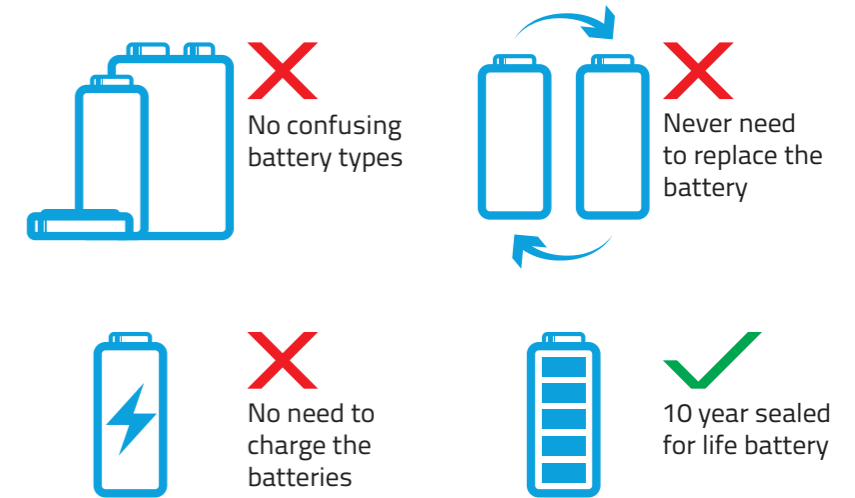
SONA smoke and heat alarms are the only alarms to have a proven carbon footprint and the lowest environmental impact.



10 Year Sealed For Life Battery Back-Up

No confusing choices - just long life battery back-up as standard.

Never worry about replacing batteries again. All SONA products feature a sealed for life battery, which will power the alarm if the mains power fails. The battery requires no charging giving you confidence that the alarm is always working.

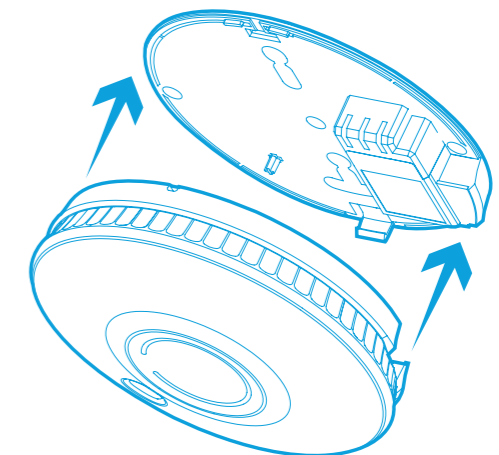


Simple Installation

As quick as your wiring skills.

Speed and ease of installation saves you time and money. The surface mounting base with hinge lock action means no fuss - just quick and simple installation.

Two screws fit the base to the ceiling or wall, standard terminals can be easily wired in, then the alarm simply 'clicks' into place.





The Range in Full View.

Select and compare the right products for you,
and see how easy specifying SONA really is.

The SONA Range



**Mains Powered
Smoke Alarm**

**Wireless Mains Powered
Smoke Alarm**

Product code	SM-SN-1	WSM-SN-1
Supply voltage	230V AC, 50Hz	230V AC, 50Hz
Technology	Thermoptek	Thermoptek
Wireless interlink	-	Wi-Safe 2 - up to 50 units
Hardwire interconnect	Up to 30 units	-
Quick fitting	Yes	Yes
Battery type	Sealed Lithium back-up	Sealed Lithium back-up
Proven carbon footprint	Yes	-
Low standby power and energy consumption	Yes	Yes
Large central control button	Yes	Yes
Sounder	85dB (A) at3m (minimum)	85dB (A) at3m (minimum)
Install positions	Ceiling / Wall	Ceiling / Wall
Install locations	Hallway / Landing / Bedroom / Living Room	Hallway / Landing / Bedroom / Living Room
Superior diagnostics functionality	Yes	Yes
System grade	Grade D	Grade D
Approval	BS EN 14604: 2005 / CE	BS EN 14604: 2005 / CE ETSI EN 300 220-2 V2.3.2 (2010-02) EN300489-1 &-3 EN300220-2 - Radio
Warranty	5 years	5 years



**Mains Powered
Heat Alarm**

**Wireless Mains Powered
Heat Alarm**

Product code	HM-SN-1	WHM-SN-1	WCOB-SN-1	WTSL-SN-1
Supply voltage	230V AC, 50Hz	230V AC, 50Hz	3V DC sealed Lithium battery	3V DC sealed Alkaline battery
Technology	Thermistek	Thermistek	Electrochemical	-
Wireless interlink	-	Wi-Safe 2 - up to 50 units	Wi-Safe 2 - up to 50 units	Wi-Safe 2 - up to 50 units
Hardwire interconnect	Up to 30 units	-	-	-
Quick fitting	Yes	Yes	Yes	Yes
Battery type	Sealed Lithium back-up	Sealed Lithium back-up	Sealed Lithium	Sealed Alkaline
Proven carbon footprint	Yes	-	-	-
Low standby power and energy consumption	Yes	Yes	-	-
Large central control button	Yes	Yes	Yes	-
Sounder	85dB (A) at3m (minimum)	85dB (A) at3m (minimum)	85dB (A) at3m (minimum)	-
Install positions	Ceiling	Ceiling	Wall / Free standing	Wall / Portable
Install locations	Kitchen / Loft / Garage	Kitchen / Loft / Garage	Living Room / Bedroom	Hallway / Landing / Bedroom / Living Room
Superior diagnostics functionality	Yes	Yes	Yes	-
System grade	Grade D	Grade D	Grade F	-
Approval	BS 5446-2: 2003 / CE	BS 5446-2: 2003 / CE ETSI EN 300 220-2 V2.3.2 (2010-02) EN300489-1 &-3 EN300220-2 - Radio	BS EN 50291-1 & 2: 2010 / CE / ETSI EN 300 220-2 V2.3.2 (2010-02) / EN300489-1 &-3 EN300220-2 - Radio	CE / ETSI EN 300 220-2 V2.3.2 (2010-02) / EN300489-1 &-3 EN300220-2 - Radio BS EN 60065: 2002
Warranty	5 years	5 years	5 years	5 years



**Wireless Carbon
Monoxide Alarm**



**Wireless Alarm
Control Unit**

Specification

Smoke Alarm: WSM-SN-1

Mains Powered Wireless Thermoptek Smoke Alarm with 10yr sealed for life battery back-up.

- The Smoke Alarm is certified to EN14604: 2005 and meets the requirements of Grade D as defined in BS 5839: Pt.6. It carries the CE mark to indicate conformance to Low Voltage and Electromagnetic Compatibility Directives.
- Thermally Enhanced Sensing - The alarm has thermally enhanced optical sensing technology (Thermoptek™) which constantly monitors for temperature change. If a rate of temperature rise is detected the sensitivity of the alarm is increased, providing a quicker response time to both slow smouldering and fast flaming fires in a single alarm.
- The alarm incorporates a Wi-Safe 2 intelligent communication module which wirelessly interlinks with up to 50 other units with Wi-Safe 2 technology inside on a single network. All units have the ability to be learnt into a single network by an easy 2 button test procedure.
- The wireless Wi-Safe 2 module has a separate 10 year Lithium battery designed to outlast the usable life of the alarm.
- Wi-Safe 2 Radio frequency is 868 MHz band in accordance with R&TTE Directive 1999/5/EC.
- Units are automatically 'House Coded' together on a unique network in order to eliminate the risk of adjacent properties communicating with each other. After House Coding they will only communicate with other units coded at the same time. Additional units can be retrospectively added to individual networks at a later date if required.
- The alarm has extremely low stand by power on AC, typically requiring less than 1/10th the average operational power when compared

to traditional AC alarms. The alarm therefore has extremely low running costs to power the product over the course of its life.

- The alarm is powered by 230V mains power and has a built in 10 year Lithium battery back-up, designed to power the alarm in the event of a mains failure.
- The alarm is supplied with an ultra slim, quick-fitting surface mounting base with integral terminal block and cable cover. A tamper resistant hinge lock action locks the alarm head firmly and securely into place and thereafter can only be removed with a tool.
- The mounting plate has a wide, easily accessible connection to the mains feed. Cable knock-outs allow for compatibility with YT2 cable trunking. Universal screw holes provide backwards compatibility for ease of install and less drilling on installation. Ideal for retro-fitting projects where older alarms are being removed from the ceiling and where there could be asbestos concerns.
- The alarm automatically connects to the mains as the alarm head clicks into place and disconnects from the mains as soon as it removed from the mounting base.
- The alarm has a low battery warning signal, which bleeps every 45 seconds for at least 30 days to indicate when replacement of the alarm is required. All other alarms on the network will also emit an audible low battery chirp once every 4 hours. This will continue until the alarm which has the low battery condition is removed.
- The alarm incorporates 'Sleep Easy' functionality whereby a low battery chirp can be silenced for a period of 8 hours by pressing the test button on the smoke/heat alarm. This function can be used up to 10 times.

- The WSM-SN-1 is capable of working on a mixed system to include hardwire and wireless, AC and DC alarms within the SONA product family.
- The alarm has a built in sounder giving a minimum sound output of 85dB (A) at 3m.
- The alarm incorporates a large central concave test/silence button to test circuitry, sensor and horn and activate all interconnected alarms in the system. This button also operates a 'silence' feature to silence nuisance alarms. A red LED on the alarm will flash every 10 seconds to indicate that alarm is in 'silence' mode and will automatically reset after approximately 10 minutes.
- The alarm features an LED fault indicator warning.
- The alarm has a secondary buzzer fitted to ensure fail-safe operation in all circumstances.
- The alarm features an intelligent smart silence/locate feature whereby pressing the test/silence button on any alarm in the network will silence all but the initiating alarm.
- The alarm incorporates superior diagnostics functionality which monitors alarm activations and facilitates fault finding.
- The alarm has cutting edge design style and fits seamlessly into the modern home environment.
- The alarm comes complete with installation/user instructions.
- The alarm has the following dimensions: 43 x 141.5 x 141.5mm.
- The alarm has a 5 year warranty.

Specification

Smoke Alarm: SM-SN-1

Mains Powered Thermoptek Smoke Alarm with 10yr sealed for life battery back-up.

- The Smoke Alarm is certified to EN14604: 2005 and meets the requirements of Grade D as defined in BS 5839: Pt.6. It carries the CE mark to indicate conformance to Low Voltage and Electromagnetic Compatibility Directives.
- Thermally Enhanced Sensing - The alarm has thermally enhanced optical sensing technology (Thermoptek™) which constantly monitors for temperature change. If a rate of temperature rise is detected the sensitivity of the alarm is increased, providing a quicker response time to both slow smouldering and fast flaming fires in a single alarm.
- The alarm has extremely low stand by power on AC, typically requiring less than 1/10th the average operational power when compared to traditional AC alarms. The alarm therefore has extremely low running costs to power the product over the course of its life.
- The alarm carries a proven carbon footprint of 13.9kgCO₂e per alarm over 10 years.
- The alarm is powered by 230V mains power and has a built in 10 year Lithium battery back-up, designed to power the alarm in the event of a mains failure.
- The alarm is supplied with an ultra slim, quick-fitting surface mounting base with integral terminal block and cable cover. A tamper resistant hinge lock action locks the alarm head firmly and securely into place and thereafter can only be removed with a tool.
- The mounting plate has a wide, easily accessible connection to the mains feed. Cable knock-outs allow for compatibility with YT2 cable trunking. Universal screw holes provide backwards

compatibility for ease of install and less drilling on installation. Ideal for retro-fitting projects where older alarms are being removed from the ceiling and where there could be asbestos concerns.

- The alarm automatically connects to the mains as the alarm head clicks into place and disconnects from the mains as soon as it removed from the mounting base.
- The alarm has a low battery warning signal, which bleeps every 45 seconds for at least 30 days to indicate when replacement of the alarm is required. All other alarms on the network will also emit an audible low battery chirp once every 4 hours. This will continue until the alarm which has the low battery condition is removed.
- The alarm incorporates 'Sleep Easy' functionality whereby a low battery chirp can be silenced for a period of 8 hours by pressing the test button on the smoke/heat alarm. This function can be used up to 10 times.
- The alarm can be hardwire interconnected to other smoke and heat alarms of similar type. A maximum number of 30 units can be interconnected together on a single hardwired network.
- The SM-SN-1 is capable of working on a mixed system to include hardwire and wireless, AC and DC alarms within the SONA product family.
- The alarm has a built in sounder giving a minimum sound output of 85dB (A) at 3m.
- The alarm incorporates a large central concave test/silence button to test circuitry, sensor and horn and activate all interconnected alarms in the system. This button also operates a 'silence' feature to silence nuisance alarms. A red LED on the alarm will flash every 10 seconds to indicate that alarm is in 'silence' mode and

will automatically reset after approximately 10 minutes.

- The alarm features an LED fault indicator warning.
- The alarm has a secondary buzzer fitted to ensure fail-safe operation in all circumstances.
- The alarm features an intelligent smart silence/locate feature whereby pressing the test/silence button on any alarm in the network will silence all but the initiating alarm.
- The alarm incorporates superior diagnostics functionality which monitors alarm activations and facilitates fault finding.
- The alarm has cutting edge design style and fits seamlessly into the modern home environment.
- The alarm comes complete with installation/user instructions.
- The alarm has the following dimensions: 43 x 141.5 x 141.5mm.
- The alarm has a 5 year warranty.

Specification

Heat Alarm: WHM-SN-1

Mains powered Wireless Thermistek Heat Alarm with 10yr sealed for life battery back-up.

- The Heat Alarm is certified to BS5446-2: 2003 and meets the requirements of Grade D as defined in BS 5839: Pt.6. It carries the CE mark to indicate conformance to Low Voltage and Electromagnetic Compatibility Directives.
- Thermistek™ technology incorporates a unique radiant heat dish (patent pending) to heighten performance when exposed to a radiant heat source in real fire situations. Constantly monitoring for temperature change, if an increase in temperature is detected, the rate of rise is measured and if predicted to exceed a pre-determined threshold will sound the alarm. This predictive quality provides a quicker response time in rapidly increasing temperatures. Heat alarms are designed for areas where dust and fumes may trigger frequent nuisance alarms in conventional smoke alarms – ideal for attics, garages and kitchens. The WHM-SN-1 is a fixed point heat alarm using Thermistek sensing technology.
- The Heat alarm has class A1 fire detection 54 °C to 65 °C.
- The alarm incorporates a Wi-Safe 2 intelligent communication module which wirelessly interlinks with up to 50 other units with Wi-Safe 2 technology inside on a single network. All units should have the ability to be learnt into a single network by an easy 2 button test procedure.
- The wireless Wi-Safe 2 module has a separate 10 year Lithium battery designed to outlast the usable life of the alarm.
- Wi-Safe 2 Radio frequency is 868 MHz band in accordance with R&TTE Directive 1999/5/EC.
- Units are automatically 'House Coded' together on a unique network in order to eliminate the risk of adjacent properties

communicating with each other. After House Coding they will only communicate with other units coded at the same time. Additional units can be retrospectively added to individual networks at a later date if required.

- The alarm has extremely low stand by power on AC, typically requiring less than 1/10th the average operational power when compared to traditional AC alarms. The alarm therefore has extremely low running costs to power the product over the course of it's life.
- The alarm is powered by 230V mains power and has a built in 10 year Lithium battery back-up, designed to power the alarm in the event of a mains failure.
- The alarm is supplied with an ultra slim, quick-fitting surface mounting base with integral terminal block and cable cover. A tamper resistant hinge lock action locks the alarm head firmly and securely into place and thereafter can only be removed with a tool.
- The mounting plate has a wide, easily accessible connection to the mains feed. Cable knock-outs allow for compatibility with YT2 cable trunking. Universal screw holes provide backwards compatibility for ease of install and less drilling on installation. Ideal for retro-fitting projects where older alarms are being removed from the ceiling and where there could be asbestos concerns.
- The alarm automatically connects to the mains as the alarm head clicks into place and disconnects from the mains as soon as it removed from the mounting base.
- The alarm has a low battery warning signal, which bleeps every 45 seconds for at least 30 days to indicate when replacement of the alarm is required. All other alarms on the network will also emit an audible low battery chirp once every 4 hours. This will continue until the alarm which has the low battery condition is removed.

- The alarm incorporates 'Sleep Easy' functionality whereby a low battery chirp can be silenced for a period of 8 hours by pressing the test button on the smoke/heat alarm. This function can be used up to 10 times.
- The WHM-SN-1 is capable of working on a mixed system to include hardwire and wireless, AC and DC alarms within the SONA product family.
- The alarm has a built-in sounder giving a minimum sound output of 85dB (A) at 3m.
- The alarm incorporates a large central concave test/silence button to test circuitry, sensor and horn and activate all interconnected alarms in the system. This button also operates a 'silence' feature to silence nuisance alarms. A red LED on the alarm will flash every 10 seconds to indicate that alarm is in 'silence' mode and will automatically reset after approximately 10 minutes.
- The alarm features an LED fault indicator warning.
- The alarm has a secondary buzzer fitted to ensure fail-safe operation in all circumstances.
- The alarm features an intelligent smart silence/ locate feature whereby pressing the test/silence button on any alarm in the network will silence all but the initiating alarm.
- The alarm incorporates superior diagnostics functionality which monitors alarm activations and facilitates fault finding.
- The alarm has cutting edge design style and fits seamlessly into the modern home environment.
- The alarm comes complete with installation/ user instructions.
- The alarm has the following dimensions: 53 x 141.5 x 141.5mm.
- The alarm has a 5 year warranty.

Specification

Heat Alarm: HM-SN-1

Mains Powered Thermistek Heat Alarm with 10yr sealed for life battery back-up.

- The Heat Alarm is certified to BS5446-2: 2003 and meets the requirements of Grade D as defined in BS 5839: Pt.6. It carries the CE mark to indicate conformance to Low Voltage and Electromagnetic Compatibility Directives.
- Thermistek™ technology incorporates a unique radiant heat dish (patent pending) to heighten performance when exposed to a radiant heat source in real fire situations. Constantly monitoring for temperature change, if an increase in temperature is detected, the rate of rise is measured and if predicted to exceed a pre-determined threshold will sound the alarm. This predictive quality provides a quicker response time in rapidly increasing temperatures. Heat alarms are designed for areas where dust and fumes may trigger frequent nuisance alarms in conventional smoke alarms – ideal for attics, garages and kitchens. The HM-SN-1 is a fixed point heat alarm using Thermistek sensing technology.
- The Heat alarm has class A1 fire detection 54 °C to 65 °C.
- The alarm has extremely low stand by power on AC, typically requiring less than 1/10th the average operational power when compared to traditional AC alarms. The alarm therefore has extremely low running costs to power the product over the course of it's life.
- The alarm carries a proven carbon footprint of 13.6kgCO₂e per alarm over 10 years.
- The alarm is powered by 230V mains power and has a built in 10 year Lithium battery back-up, designed to power the alarm in the event of a mains failure.
- The alarm is supplied with an ultra slim, quick-fitting surface mounting base with integral terminal block and cable cover. A tamper resistant hinge lock action locks the

alarm head firmly and securely into place and thereafter can only be removed with a tool.

- The mounting plate has a wide, easily accessible connection to the mains feed. Cable knock-outs allow for compatibility with YT2 cable trunking. Universal screw holes provide backwards compatibility for ease of install and less drilling on installation. Ideal for retro-fitting projects where older alarms are being removed from the ceiling and where there could be asbestos concerns.
- The alarm automatically connects to the mains as the alarm head clicks into place and disconnects from the mains as soon as it removed from the mounting base.
- The alarm has a low battery warning signal, which bleeps every 45 seconds for at least 30 days to indicate when replacement of the alarm is required. All other alarms on the network will also emit an audible low battery chirp once every 4 hours. This will continue until the alarm which has the low battery condition is removed.
- The alarm incorporates 'Sleep Easy' functionality whereby a low battery chirp can be silenced for a period of 8 hours by pressing the test button on the smoke/heat alarm. This function can be used up to 10 times.
- The alarm can be hardwire interconnected to other smoke and heat alarms of similar type. A maximum number of 30 units can be interconnected together on a single hardwired network.
- The HM-SN-1 is capable of working on a mixed system to include hardwire and wireless, AC and DC alarms within the SONA product family.
- The alarm has a built in sounder giving a minimum sound output of 85dB (A) at 3m.
- The alarm incorporates a large central concave test/silence button to test circuitry, sensor and horn and activate all interconnected alarms in the system. This button also operates a

'silence' feature to silence nuisance alarms. A red LED on the alarm will flash every 10 seconds to indicate that alarm is in 'silence' mode and will automatically reset after approximately 10 minutes.

- The alarm features an LED fault indicator warning.
- The alarm has a secondary buzzer fitted to ensure fail-safe operation in all circumstances.
- The alarm features an intelligent smart silence/ locate feature whereby pressing the test/silence button on any alarm in the network will silence all but the initiating alarm.
- The alarm incorporates superior diagnostics functionality which monitors alarm activations and facilitates fault finding.
- The alarm has cutting edge design style and fits seamlessly into the modern home environment.
- The alarm comes complete with installation/ user instructions.
- The alarm has the following dimensions: 53 x 141.5 x 141.5mm.
- The alarm has a 5 year warranty.

Specification

CO Alarm: WCOB-SN-1

Wireless Carbon Monoxide Alarm with 10yr Lithium battery.

- The carbon monoxide alarm is certified to BS EN50291-1: 2010 and BS EN50291-2: 2010. It carries the CE mark to indicate conformance to Low Voltage and Electromagnetic Compatibility Directives.
- Electrochemical sensing – Incorporating an advanced electrochemical sensor designed to accurately measure levels of carbon monoxide (CO) and provide an early warning.
- 10 year sealed for life Lithium battery will power the unit in normal operation for a period of 10 years.
- The alarm incorporates a Wi-Safe 2 intelligent communication module which wirelessly interlinks with up to 50 other units with Wi-Safe 2 technology inside on a single network. All units should have the ability to be learnt into a single network by an easy two button test procedure.
- The wireless Wi-Safe 2 module has a separate 10 year Lithium battery designed to outlast the usable life of the alarm.
- Wi-Safe 2 Radio frequency is 868 MHz band in accordance with R&TTE Directive 1999/5/EC.
- Units are automatically 'House Coded' together on a unique network in order to eliminate the risk of adjacent properties communicating with each other. After House Coding they will only communicate with other units coded at the same time. Additional units can be retrospectively added to individual networks at a later date if required.
- The alarm is supplied with an integral flip down bracket and can be fitted securely to the wall either with screws or a single pin fitting option for rapid installation. The unit is also capable of free standing for flexible installations around a property.
- An optional tamper resistant function where required can securely lock the alarm into place after installation and thereafter the alarm can only be removed with a tool.
- The alarm has a low battery warning signal, which bleeps every 45 seconds for at least 30 days to indicate when replacement of the alarm is required. All other alarms on the network will also emit an audible low battery chirp once every 4 hours. This will continue until the alarm which has the low battery condition is removed.
- The alarm incorporates 'Sleep Easy' functionality whereby a low battery chirp can be silenced for a period of 8 hours by pressing the test button on the smoke/heat alarm. This function can be used up to 10 times.
- The WCOB-SN-1 is capable of working on a mixed system to include hardwire and wireless, AC and DC alarms within the SONA product family. On a mixed network of alarms (CO, smoke and heat), all alarms will sound a CO alarm pattern upon detection of CO.
- The alarm has a built in sounder giving a minimum sound output of 85dB (A) at 3m.
- The alarm incorporates a large central concave test/silence button to test circuitry, sensor and horn and activate all interconnected alarms in the system.
- The alarm features an intelligent smart silence/ locate feature whereby pressing the test/silence button on any alarm in the network will silence all but the initiating alarm.
- The alarm incorporates superior diagnostics functionality which monitors alarm activations and facilitates fault finding.
- The alarm has end of life warning.
- The alarm has cutting edge design style and fits seamlessly into the modern home environment.

- The alarm comes complete with installation/ user instructions.
- The alarm has the following dimensions: 94 x 114 x 39.5mm.
- The alarm has a 5 year warranty.

Specification

Control Unit: WTSL-SN-1

Battery powered Alarm Control Unit for Wi-Safe 2 enabled alarms and devices.

- The alarm control unit has been designed to be used as a remote interface between up to 50 products (SONA smoke/heat/CO) within the Wi-Safe 2 product range. The control unit is battery powered and can be used to test, silence or locate any alarms on the Wi-Safe 2 network.
- The alarm control unit is powered by a sealed 3V Alkaline Battery – powered for 10 years.
- The alarm control unit incorporates a Wi-Safe 2 intelligent communication module which wirelessly interlinks with up to 50 other units with Wi-Safe 2 technology inside on a single network. All units should have the ability to be learnt into a single network by an easy two button test procedure.
- Wi-Safe 2 Radio frequency is 868 MHz band in accordance with R&TTE Directive 1999/5/EC.
- The alarm control unit is capable of the following functions: Test, silence, Locate, Memory.
- Test: Pressing the test button enables all alarms on the network to sound for 3 minutes. This allows for easy testing of the entire system without having to press the central button on each of the alarms.
- Silence: Pressing the 'silence' button will silence all interlinked alarms and reduce the sensitivity for up to 10 minutes. However, if excessive smoke is sensed the silence function will be overridden.
- Please Note: An alarm cannot be silenced using the alarm control unit if carbon monoxide has been detected, however the 'Locate' function will allow you to find out which of the CO alarms is the initiating alarm.
- Locate: Pressing the 'Locate' button will silence all wirelessly interlinked alarms except for the initiating alarm which has sensed smoke, heat or carbon monoxide. To make locating the alarm easier, the control unit can be removed from its bracket and carried around the property (providing the tamper proof function has not been engaged), allowing you to press the 'Locate' or 'Test' button whilst moving from room to room.
- Memory: Where an alarm has previously gone into full alarm an indicator will flash on the control unit every 10 seconds. Pressing the 'Locate' button will sound the source alarm so you can investigate this further.
- Units are automatically 'House Coded' together on a unique network in order to eliminate the risk of adjacent properties communicating with each other. After House Coding they will only communicate with other units coded at the same time. Additional units can be retrospectively added to individual networks at a later date if required.
- The WTSL-SN-1 is capable of working on a mixed system to include hardwire and wireless, AC and DC alarms within the SONA product family. Providing there is at least one Wi-Safe 2 connected device that can link with the WTSL-SN-1.
- Includes independent LEDs for CO and Fire
- The alarm control unit is designed to be easily mounted onto a wall using the bracket provided.
- The alarm control unit has an optional anti-tamper feature, ensuring, where needed, it cannot be removed from the wall.
- The alarm control unit incorporates two large test/silence and locate buttons for ease of use.
- The alarm control unit comes complete with installation/user instructions.

- The alarm control unit has the following dimensions: 90 x 90 x 22.5mm.
- The alarm control unit has a 5 year warranty.

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Sprue Safety Products Ltd.

Vanguard Centre, Coventry
CV4 7EZ UK

T: +44 (0) 24 7771 7700

E: sales@sonasafety.com