Advanced

SmokeGo

Complete Smoke Control

Advanced – Made in the UK.
Trusted around the world

At Advanced, we're committed to creating a safer future. We deliver fire protection and life safety solutions that protect people and property in more than 80 countries across the globe.

Our products are shaped by decades of research and development expertise as well as ongoing investment in new technologies. This ensures they provide years of high performance and reliability – for ultimate peace of mind.

Everything we deliver is rigorously tested and approved to exacting quality standards – which is why Advanced products are trusted by customers the world over and synonymous with **quality, performance** and **ease of use**.


Advanced Headquarters, Newcastle, UK

We understand that few fire protection challenges are the same, so as well as our mass-customised ranges, we also offer fully-customised solutions. This flexibility gives you complete control over the functions, format and finish of products to suit your site's unique specification.

We are dedicated to providing excellent service and have an international network of offices and agents to help you access sales support with ease – wherever you are in the world.
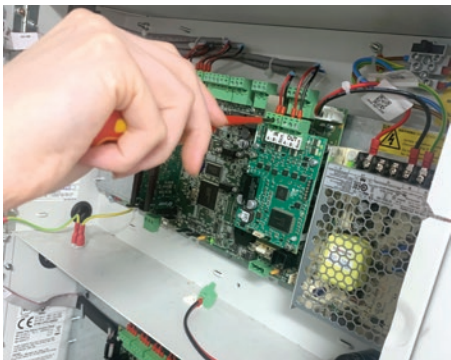
In addition, our training and technical services are free of charge to all our direct customers and consistently rated as excellent.

For added reassurance, Advanced is part of the safety sector of FTSE 100 company Halma plc. This global group of life-saving technology companies has a clear purpose to grow a safer, cleaner, healthier future for everyone, every day.
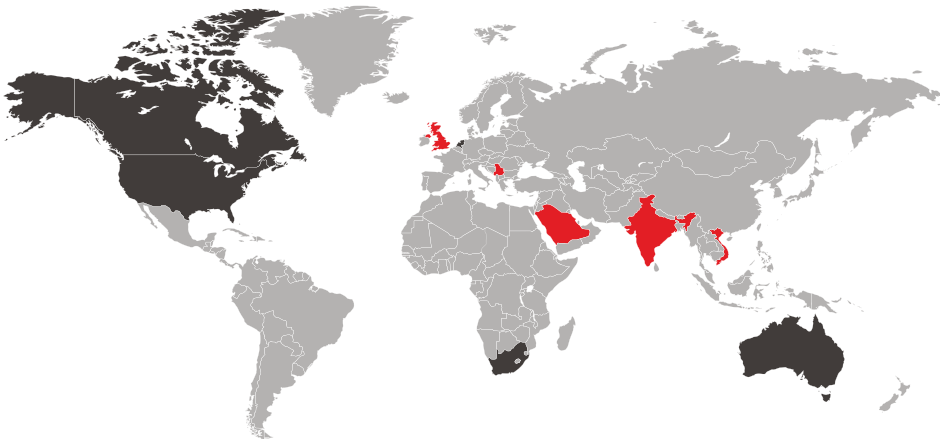
Advanced & Halma sales representatives

Strategic and OEM partners

Distributors and system integrators in key locations worldwide

A **Halma** company

Contents

Open-protocol freedom. Maximum versatility.

When it comes to what's needed for each site, we believe our panels' specifiers and installers know best.

That's why our **next-generation MxPro 5** is more flexible than ever.

Compatible with the leading wired and wireless protocols, now including Core, our multiprotocol approach puts Advanced customers in complete control.

Creating a safer future

Advanced – made in the UK. Trusted around the world.
Discover more: advancedco.com | enquiries@advancedco.com | +44 (0)345 894 7000

Complete Smoke Control

SmokeGo from Advanced gives you complete and active smoke control from the fire system. Nobody makes it simpler to set up, configure and use, thanks to our 4-step configuration process.

We've ultra-simplified programming by swapping complex data inputting for an easy-to-use matrix that saves you time and gives you a clear, at-a-glance view of all your fan and damper settings.

Designed for standalone, dedicated* and non-dedicated** systems, SmokeGo is easy to set up by adding a smoke control user interface and loop interface modules, you can achieve automatic and manual control of smoke control fans and dampers.

Advanced's SmokeGo features are:

- Approved to **EN54 Parts 2 and 4**.
- Designed to comply with: **ISO 21927-9** and **BS7346-8 standards**.

By choosing Advanced's SmokeGo, you have access to all the features required by the world's most demanding smoke control standards.

SmokeGo
Versatile Smoke Control

SmokeGo
Simple Matrix Programming

*Dedicated systems are used for controlling smoke only - they do not function until smoke/fire conditions occur.

**Non-dedicated smoke control shares components with other building systems, typically HVAC.
Under smoke/fire conditions, the systems changes mode to achieve smoke control.
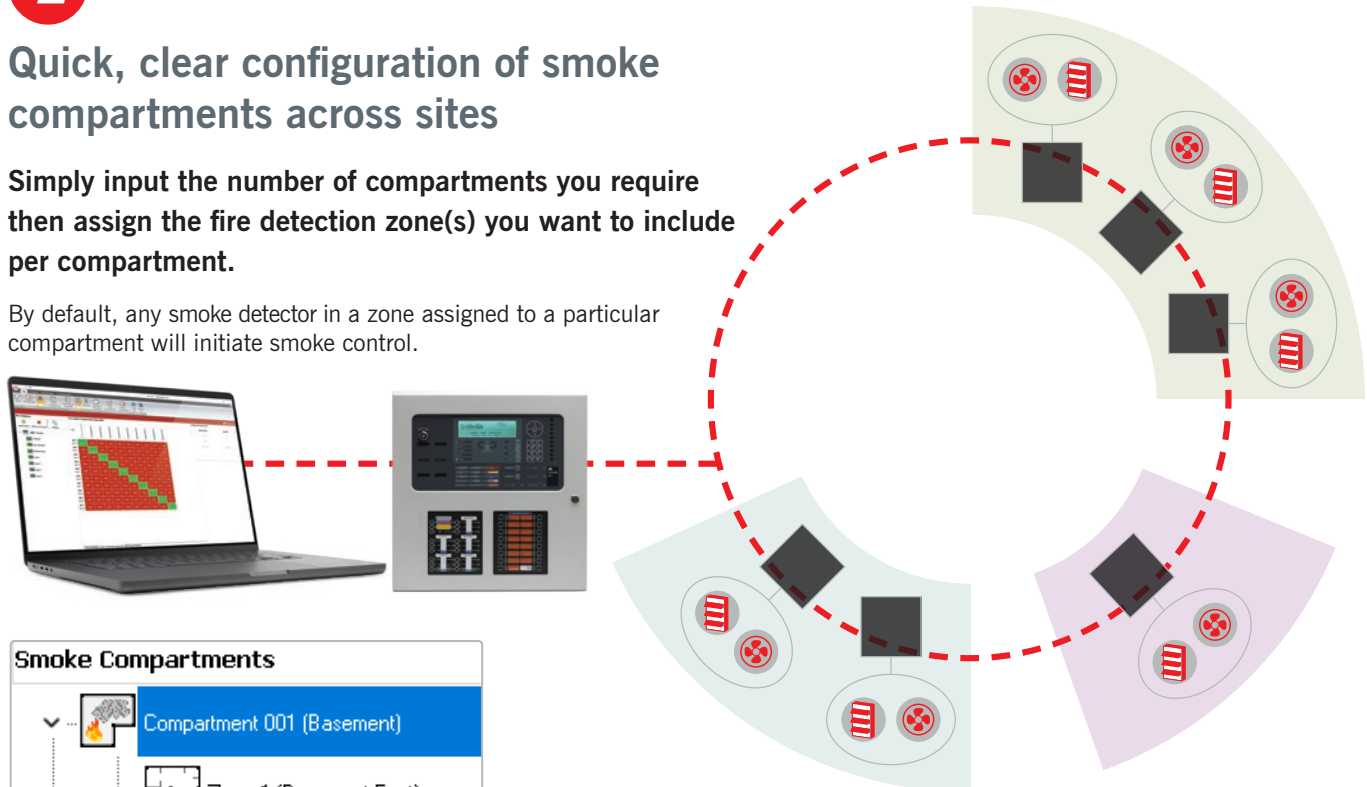
Market-Leading 4-Step Configuration

1

Quick, clear configuration of smoke compartments across sites

Simply input the number of compartments you require then assign the fire detection zone(s) you want to include per compartment.

By default, any smoke detector in a zone assigned to a particular compartment will initiate smoke control.

Smoke Compartments

- Compartment 001 (Basement)
  - Zone 1 (Basement East)
  - Zone 2 (Basement West)
- Compartment 002 (Ground Floor)

Smoke Compartment Details

Compartment	1
Location Text	Basement
Initiators	
Fire Detectors	Individually Set
General Alarm	-
Control	-
Supervisory	-
Fire (Non Detectors)	-
Walk Test	☑

In the above example, the default setting means any alarm from a detector in zones 1 and 2 will initiate compartment 1 smoke control.

However, you can override this default setting to individually set which detectors do, or do not, initiate smoke control.
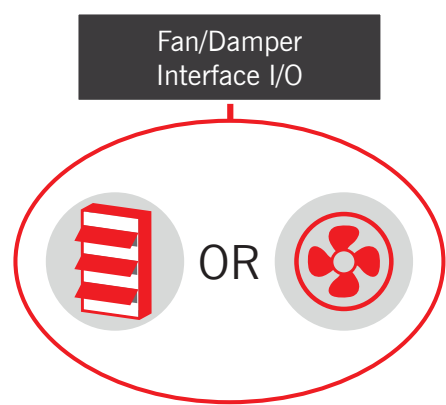
2

Auto-configuration of fan and damper interfaces

Define which loop devices are used for smoke control and our software will configure the system for you.

The programming 'wizard' allocates each I/O a special purpose of fan or damper and the inputs and outputs are pre-configured to run/stop or open/close. Our software even configures any required feedback delays, massively reducing configuration time.

The system also allows standard loop-powered I/O modules to be used for monitoring and controlling fans and dampers instead of expensive specialist units.

Fan/Damper Interface I/O

OR

3

The easiest cause and effect programming in the business

Our unique software matrix makes light work of system setup. Graphical representations of the system and a series of drop-down menus mean programming is quick and intuitive, plus there's no special coding involved.

Keyboard shortcuts for run/stop and open/close make the process even faster; so what might have taken days to set up can now be done in minutes.
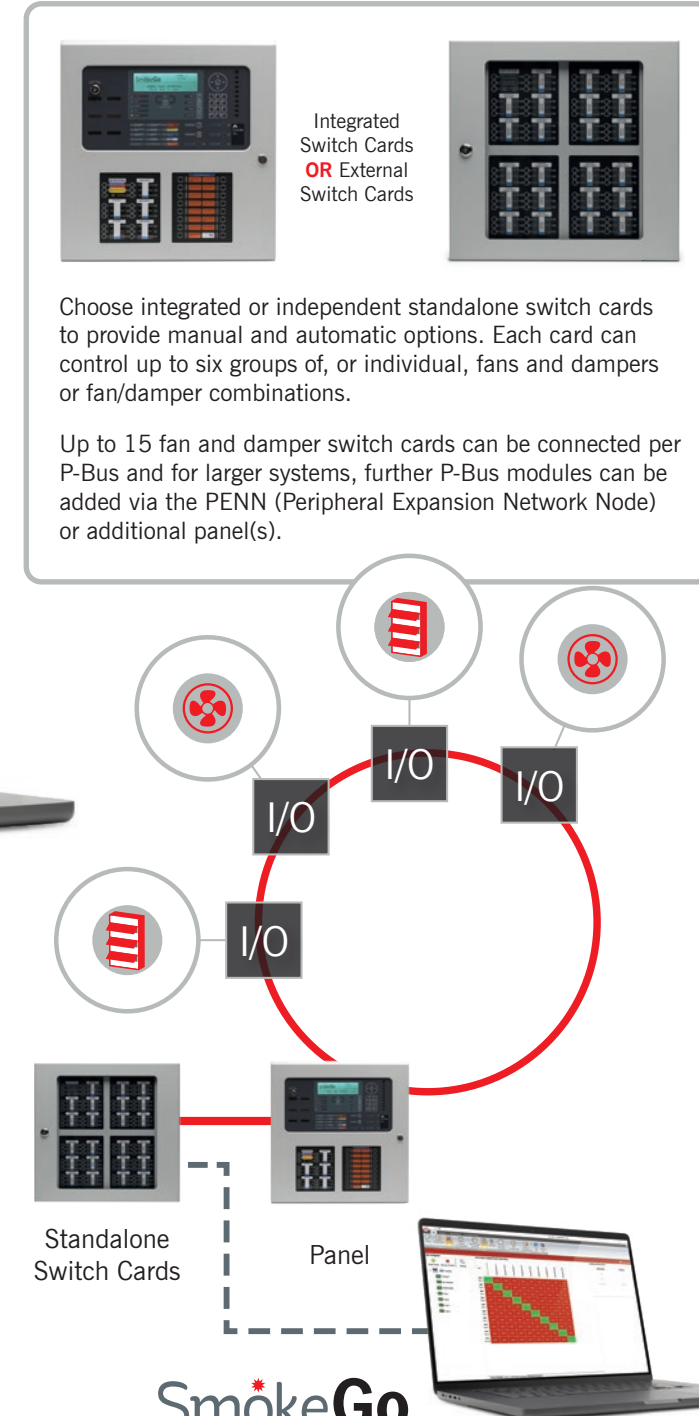
Graphical Programming

4

Flexible manual control options

Integrated Switch Cards **OR** External Switch Cards

Choose integrated or independent standalone switch cards to provide manual and automatic options. Each card can control up to six groups of, or individual, fans and dampers or fan/damper combinations.

Up to 15 fan and damper switch cards can be connected per P-Bus and for larger systems, further P-Bus modules can be added via the PENN (Peripheral Expansion Network Node) or additional panel(s).

I/O

Standalone Switch Cards

Panel

SmokeGo
Simple Matrix Programming

Complete, Customised Control

Post-alarm purge

You can easily program SmokeGo to allow smoke to be manually cleared from an area of a building following a fire.

Any number of switches can be configured for different areas of the building so that they run/stop, and open/close the required combination of fans and dampers, allowing smoke to be cleared when it is permissible to do so.

An enable purge button or key switch can also be configured which has to be operated (e.g. by the fire fighter in control) before any manual controls can take place. In this way, independent purging panels can be constructed using dedicated switch cards.

Interlocks

An interlock can be used to prevent a fan from running until certain conditions are met.

Interlocks ensure that dampers are in the correct state before any fans are allowed to run.

This important feature is invaluable in preventing over-pressurisation of ducts and is simple to set up via the SmokeGo software.
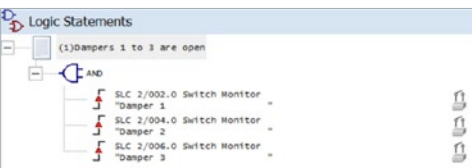
In this example, fan 1 is interlocked with dampers 1, 2 and 3. The fan will not attempt to run until feedback is received that all three dampers are open. The control panel will only instruct the fan to start once the interlock logic is satisfied.

Cascade option

Sometimes it is necessary to prioritise the safe containment or extraction of smoke in critical areas of buildings in the event of a spreading fire.

With SmokeGo set to 'no cascade', the system only responds to the first smoke compartment in alarm.

Subsequent alarms in different compartments do not cause fans and dampers to change state. Whereas using the cascade feature allows the fans and dampers to change their state according to pre-configured priorities as smoke spreads into different compartments of a building.

Automatic stairwell pressurisation

It is easy to program cause and effect for stairwell pressurisation by selecting the category of device that will trigger fan and damper activation.

Simple sequential fan restart

In buildings without smoke control systems, it is common for any fans (used by building HVAC systems) to be shut down in the event of an alarm to prevent the spread of smoke and fire.

When the alarm is reset, there's a risk of overloading the electrical supplies if all fans are re-started simultaneously. To prevent this issue, the SmokeGo software can start them sequentially using a programmable startup delay time for each individual fan.

Custom smoke control mimics

In some cases, you may need to install a Customer Graphic Smoke Control Mimic, our I/O 48 module provides an ideal solution.

Customised to meet your needs, programming is easily achieved using our SmokeGo software giving fire fighters clear and simple manual control of the smoke control system via a series of key switches and LED indicators.

Group manual controls

Group manual controls allow manual override of automatic settings within a particular smoke compartment via switch cards, key switches or push buttons.

The option to manage the smoke control settings of groups of fans and dampers, rather than individual devices can save considerable time.

Automatic testing (dedicated systems)

In systems where fans and dampers are dedicated to the purpose of smoke control, they may rarely be used; so testing is crucial in ensuring they will work as expected in an emergency.

You can program automatic tests to run weekly or monthly on specific days of the week or at certain times of day - to meet the standards required in your area. If you choose to test the entire system simultaneously, the panel automatically staggers the tests to ensure dampers are in the correct state before fans are run and to avoid excessive current draw.

Alternatively, you can program tests to run in groups so that not all fans and dampers are activated at the same time. This can help minimise disturbance to a building's occupants.

Testing only occurs if the system is in its normal, automatic state. You can also program tests not to occur - for example outside holiday periods, to avoid additional engineer call-out fees.

Fire fighter smoke control reset

Following an alarm, fans and dampers can return to their normal state as soon as the alarm is reset.

Alternatively, SmokeGo allows the system to be configured to have a separate independent smoke control reset button.

Versatile Software

SmokeGo software is designed for users. It is easy to operate, easy to understand and makes the complicated simple

LogoTool

- Allows the installer's logo to be displayed on the panel's graphical LCD display during normal operation
- Uploads standard bitmap images
- Tool allows creation of logos
- JPG and GIF images can be imported
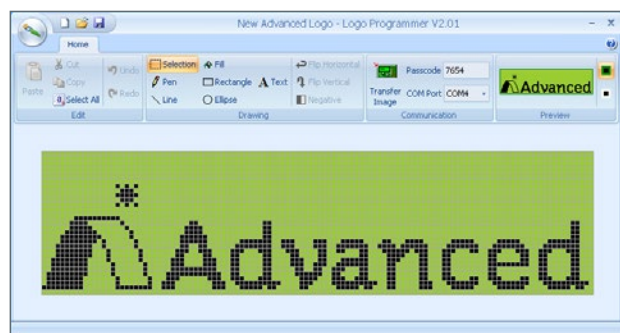
ServiceTool

- Extract device information and event logs from single or multiple panels
- Device history including last activation, test, enable, disable and date created
- User-defined filters allow data to be grouped and searched in many different ways
- View device status, analogue values and drift (contaminated) information
- Network simulation and test feature
- Categorise events and create user-defined reports
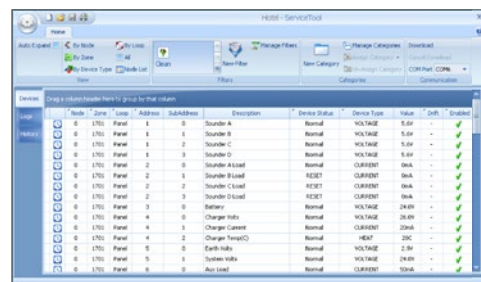
Scan here to find out more about ServiceTool

Custom-built Panels

Advanced fire panels can be designed and manufactured to your specifications.

When you're facing a complex fire protection challenge, our AdSpecials team will work with you to design and manufacture customised fire panels, control interfaces and enclosures to meet the needs of your site.

The scope of customisation ranges range from simple colour coordination to fully bespoke panel housings that offer environmental protection and specialist control and indication.

Contact us now to discuss your requirements

SmokeGo is compatible with AdvancedLive

Our secure, smart fire system management platform lets you monitor and control your Advanced panels and devices wherever you are, whenever you want.

FAULT

OKAY

ISOLATED

AdvancedLive delivers real-time notifications of events requiring attention and lets you carry out essential fire system tasks without needing to be on site. For **SmokeGo** users, AdvancedLive also enables remote checking of fan and damper status – giving you greater visibility.

FAULT

OKAY

ISOLATED
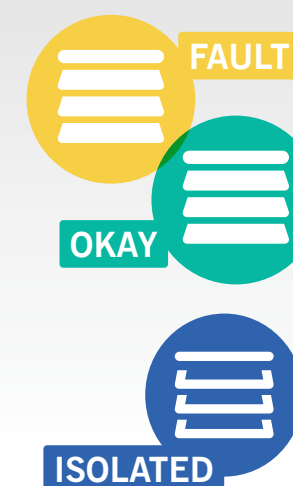
AdvancedLive is fully compatible with MxPro 5 panels, ensuring seamless integration with your trusted fire system.

More SmokeGo functionality will be coming to AdvancedLive in the future, expanding your capabilities and enhancing your fire safety management.

Book a demo today to see how AdvancedLive can save time, reduce cost, and provide proof of compliance for complete fire safety peace of mind.

Creating a safer future

Technical Support

Highly-rated support. Available by telephone and online.

As an Advanced customer, you have access to a host of helpful advice and support.

This includes a wealth of online information, from 'how to' videos to datasheets and detailed product manuals. Simply complete one of our online forms and you'll be able to access a range of additional services, previously available to those with an Advanced360 account.

Services include:

- **Technical support** – available by telephone and online by raising a support ticket, which one of our experienced technical support engineers will answer.

- **Training** – direct customers can book training online and will be sent training certificates by email. If you need to access a previous training certificate, simply complete an online request form. All non-direct customers should book training through their distributor.

- **Software** – download software and save your software packages by installation/site.

- **Literature** – download manuals, specifications, approved partner certificates, technical information and more.

- **Warranty** – download our warranty statement.

advancedco.com/training-support

SmokeGo Training

Training on SmokeGo is available to all customers who purchase SmokeGo control panels.

This takes place either in person at our Newcastle upon Tyne HQ or online via Zoom and lasts around half a day.

The training is suitable for installation, maintenance, technical support, project, design and commissioning engineers and covers the following topics:

- What is smoke control?
- Why use smoke control?
- Types of smoke control systems
- The Advanced approach
- Installation of devices
- The four-step configuration process
- Programming overview including scenario set up
- Customisation options
- AdvancedLive smart fire system management and control

For further information or to book your place, please contact your regional sales manager or our technical support team.

Email: tech@advancedco.com   Phone: 0345 894 7000, option 1

Smoke**Go** Parts list

Product Code	Description
Apollo Protocols	
SC-5101A	1-Loop SmokeGo Panel – small enclosure
SC-5201A	1-Loop SmokeGo Panel Expandable to 2 Loops – medium enclosure
SC-5401A	1-Loop SmokeGo Panel Expandable to 4 Loops – Large enclosure
SC-5802A	2-Loop SmokeGo Panel Expandable to 8 Loops – standard network, extended enclosure
SC-5101AL	1-Loop SmokeGo Panel – large enclosure
SC-5201AL	1-Loop SmokeGo Panel Expandable to 2 Loops – large enclosure
SC-5401AE	1-Loop SmokeGo Panel Expandable to 4 Loops – extended enclosure
SC-5802A/FT	2-Loop SmokeGo Panel Expandable to 8 Loops – fault-tolerant, extended enclosure

Product Code	Description
Hochiki Protocol	
SC-5101H	1-Loop SmokeGo Panel – small enclosure
SC-5201H	1-Loop SmokeGo Panel Expandable to 2 Loops – medium enclosure
SC-5401H	1-Loop SmokeGo Panel Expandable to 4 Loops – large enclosure
SC-5802H	2-Loop SmokeGo Panel Expandable to 8 Loops – standard network, extended enclosure
SC-5101HL	1-Loop SmokeGo Panel – large enclosure
SC-5201HL	1-Loop SmokeGo Panel Expandable to 2 Loops – large enclosure
SC-5401HE	1-Loop SmokeGo Panel Expandable to 4 Loops – extended enclosure
SC-5802H/FT	2-Loop SmokeGo Panel Expandable to 8 Loops – fault-tolerant, extended enclosure

Product Code	Description
Large/Deep Enclosure Spares	
MXM-524-D3	Large Enclosure Door with Double Aperture
MXM-524-D3F	Large Enclosure Door with Double Aperture – fitted
MXM-524-D6	Spare Door (c/w 4 x switch card apertures) – large
MXM-524-D6F	Large Door (c/w 4 x switch card apertures) –fitted
MXM-524-BB	Spare Large Back Box
MXM-525-BB	Spare Deep Large Back Box

Product Code	Description
Argus Protocol (Axis EN)	
SC-5101V	1-Loop SmokeGo Panel – small enclosure
SC-5201V	1-Loop SmokeGo Panel 1 Loop Expandable to 2 Loops – medium enclosure
SC-5401V	1-Loop SmokeGo Panel Expandable to 4 Loops – large enclosure
SC-5802V	2-Loop SmokeGo Panel Expandable to 8 Loops – standard network, extended enclosure
SC-5101VL	1-Loop SmokeGo Panel – large enclosure
SC-5201VL	1-Loop SmokeGo Panel Expandable to 2 Loops – Large enclosure
SC-5401VE	1-Loop SmokeGo Panel Expandable to 4 Loops – extended enclosure
SC-5802V/FT	2-Loop SmokeGo Panel Expandable to 8 loops – fault-tolerant, extended enclosure

Fan and Damper Modules	
MXP-543	Fan & Damper Switch Module
MXP-543F	Fan & Damper Switch Module Fitted (to MXM524-D3/5 wired to 24V aux and PBUS)

Spares	
MXP-538	16-Way Switch
MXP-538F	16-Way Switch Card Fitted (to MXM-524-D3 wired to 24V aux and PBUS)
MXM-513-BP	Switch / LED Single Aperture Blank Plate
MXP-568	Loop Driver Card - Apollo (incl Core Protocol), Hochiki, Argus, Axis EN

Modules	
20-VMIC404-ADV	AV 4 Input / 4 Relay Output Module
20-VMIC422-ADV	AV 4 Input / 2 Relay Output / 2 Monitored Output Module
20-VMIC602-ADV	AV 6 Input / 2 Relay Output Module
20-VMC120-ADV	AV Relay Output Module
20-VMMC120-ADV	AV Mini Relay Output Module
20-VMIC120-ADV	AV Monitored Input / Relay Output Module
20-VMMIC120-ADV	AV Mini Monitored Input / Relay Output Module

Smoke**Go**

Want to know more?
Watch our short film.

Creating a safer future

Advanced

Made in
the UK

A **Halma** company

SSD5552