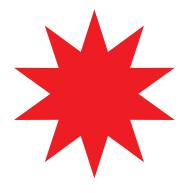


Alarm Calm



Complete False Alarm Management for Care Homes



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Why Does Your Care Home Need AlarmCalm?

The total flexibility provided by AlarmCalm from Advanced is the perfect way to simplify the complex process of designing effective false alarm management (FAM) systems and strategies for care homes.

Unwanted alarms are disruptive in any building. However, in care homes they can cause real distress. Repeated false alarms not only leave residents confused but can also lead to complacency and a failure to take proper action if/when a real fire occurs. They are also increasingly subject to penalty charges from fire and rescue services across the globe.



Alarm Calm is the Unparalleled False Alarm Management Solution from Advanced.

AlarmCalm is powerful and flexible. Even with complicated cause and effect. It's also easy to install and configure via our DynamixTools software.

It's the best-in-class solution made up of three high performance components that make for perfect False Alarm Management (FAM):



A Fast Fire System

Core aspects of FAM are alarm verification, alarm acknowledgement and investigation delays to outputs. AlarmCalm gives users unprecedented control over these elements, but speed is everything.

There's little point in setting a 60-second acknowledgement time if your network takes 15 seconds to process inputs – that's 25% of the time available.

Advanced has built its reputation on the speed and ease of its networking. Our MxPro 5 and Axis EN fire systems are the foundation for complete, high-performance FAM, whatever the size and complexity of your installation.

The Complicated Made Easy

Complete FAM frequently involves complicated cause and effect.

The AlarmCalm option in our DynamixTools Config software makes it simple to set up customised FAM and achieve powerful configurations – often in one click.

For existing customers, the software update is free and so is the training – not that we think you'll need much training as the system's so easy to use.

Intelligent Alarm Acknowledgement Devices

Our AlarmCalm Button is an optional element within the system. It is designed to let building occupants acknowledge and verify false alarms – an important element in false alarm reduction.

The AlarmCalm Button is a fully intelligent loop device offering multiple configuration options.

It's compatible with a standard UK single-gang backbox and installation is quick, inexpensive and looks good.

Alarm Calm System Components

Total Flexibility



Both MxPro 5 and Axis EN come in 1-8 loop panels with a full range of repeaters, including touchscreen option TouchControl. Custombuilt 'specials' are also available, designed to meet your exact control, indication and environmental requirements.

Full Scalability



This means that in smaller, simpler installations a single panel may be sufficient, while for complicated sites covering large

areas, panels can be combined into powerful 200 node networks with tens of thousands of field devices and peripherals. Advanced's networking is high speed and high performance and internationally acknowledged as one of the best solutions available today.

AlarmCalm Button



The AlarmCalm Button is an optional element within our AlarmCalm system. It allows trained residents or staff to acknowledge an alarm and initiate a programmable verification time that gives obvious false alarm triggers (like steam or smoke from burnt toast) chance to clear.

LifeLine Radio Paging Panel and Pagers



LifeLine is three systems in one:

- 1. It sends detailed fire system status to named users via pager.
- 2. It is an easily installed Equality Act-compliant system that alerts the hard of hearing to fire alarms.
- 3. It can be used to discretely alert staff to a range of non-fire-related issues.

Call Point



Call points provide a simple and effective means of raising an immediate alarm in case of fire.

Optical / Multisensor / **Heat Detector**



MxPro 5 panels support up to 254 devices per loop, depending on

the protocol chosen.

Sounder Beacon Base



The sounder and beacon are vital elements of care home fire system design as they provide clear notification of a fire alarm to residents who may be visually impaired or hard of hearing.

System Component Key



MxPro 5 Panel



Axis EN Panel



LifeLine Radio



Beacon



Optical Smoke





Heat Detector



Detector with



Call Point

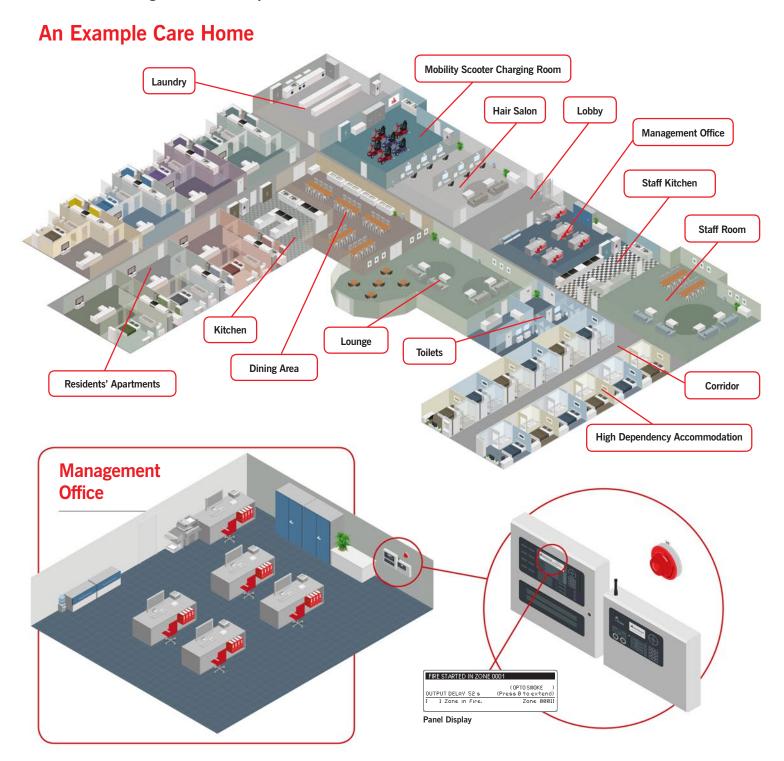


AlarmCalm

Alarm Calm Care Home Overview

The scenario in this brochure gives just one example of how an Advanced fire system, with AlarmCalm implemented, can be used to vastly reduce false alarms and improve fire safety for those in care or residential accommodation.

AlarmCalm is flexible and easy to configure. It can be used in a wide range of different settings, from small, simple installations to large sites with complicated cause and effect.



Alarm Calm Building Areas

False Alarm Management Using Building Areas

Advanced allows you complete flexibility over the way you configure your FAM. Our programming allows you to quickly and easily create virtual areas, independent of fire zones, for greater precision in FAM design. We call these virtual areas 'building areas'.

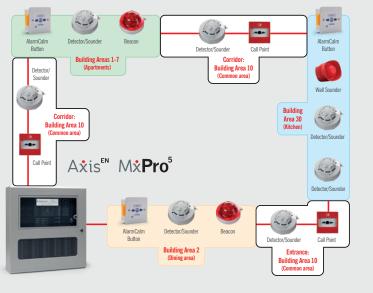


False Alarm Management by Building Area

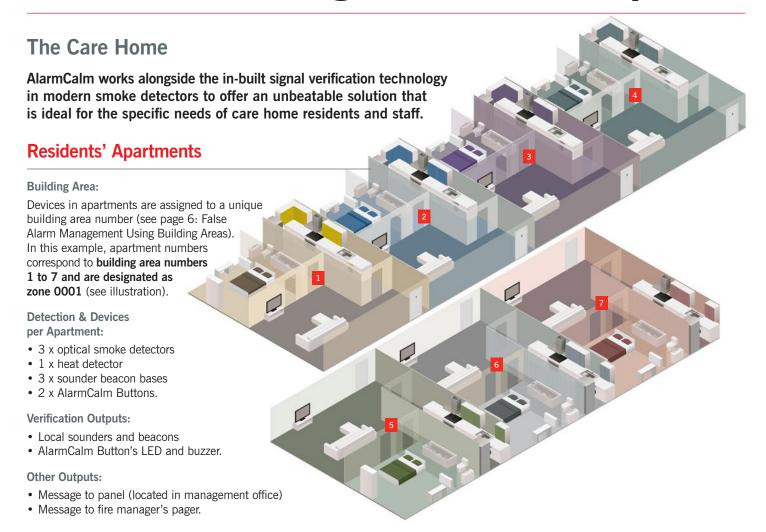
Building areas are virtual areas** that by default match fire zones but can be specified independently, to cover multiple zones and points, or individual points per panel.

Each Advanced MxPro 5 or Axis EN panel supports 200 building areas, (so up to 40,000 over a large network).

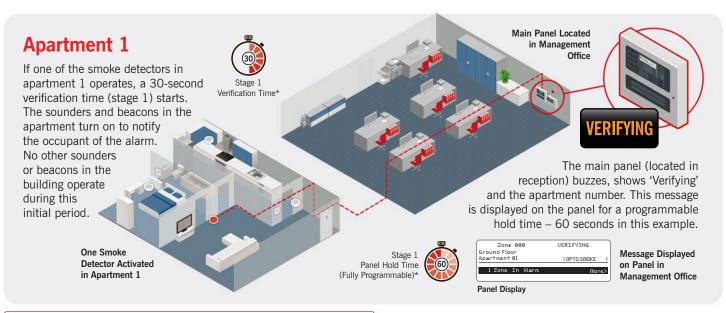
Each building area can have entirely independent FAM strategies, or can be grouped and share common settings.



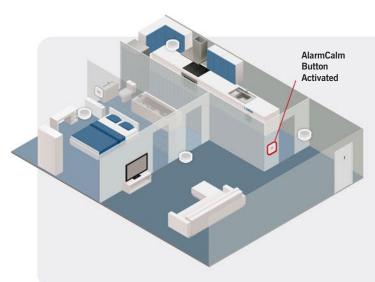
**Advanced panels show fire locations by zone i.e. the building areas designation is for FAM design and system software programming purposes only



Alarm Calm Cause and Effect



There are six possible scenarios following stage 1 verification:





System Reset (Unwanted Fire Signal)

If, during the 30-second verification time, the alarm condition appears not to be the result of a real fire, the occupant of apartment 1 can press an AlarmCalm button within the apartment.

This silences the local sounders and beacons and extends the verification period by a further 90 seconds (stage 2). This gives the occupant time to remove the source of the unwanted signal and allows the detector







Panel Display

Full Alarm (Persistent **Smoke in Apartment)**

If the AlarmCalm Button is not pressed at the end of the 30-second verification period and the smoke detector in apartment 1 is still in alarm condition

If the AlarmCalm Button is pressed, and at the end of the 90 second (stage 2) verification period the smoke remains: the panel buzzer in the management office continues to sound (or re-sounds if it was previously muted) and displays 'Fire Started in Zone 0001' and the apartment number. This fire condition is now latched until reset by a responsible person and the evacuation strategy for the building commences.



Full Alarm (Second **Detector Activated in Apartment)**

If a second detector in apartment 1 operates at any time (during stage 1 or stage 2) the verification period is cancelled.

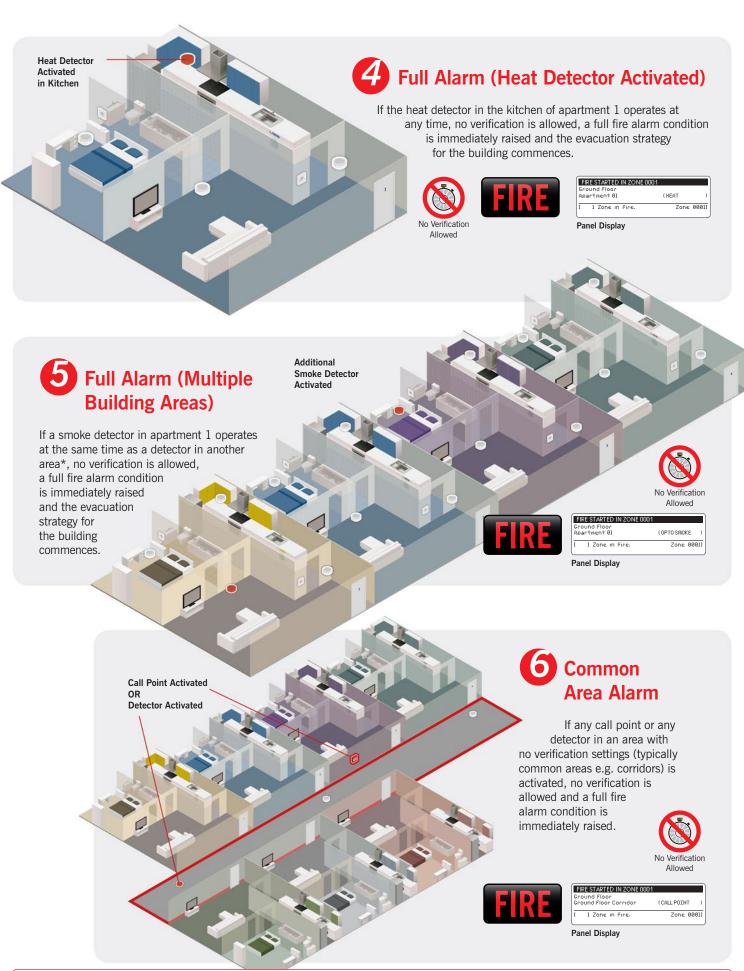
The panel immediately displays a latched fire alarm condition and and the evacuation strategy for the building commences.



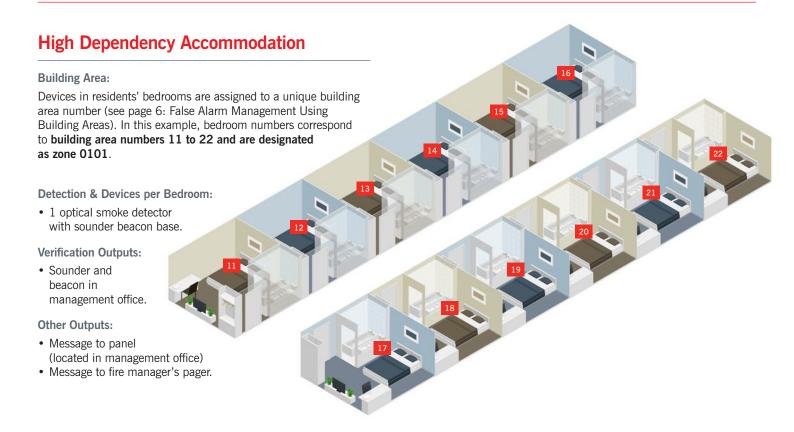


Panel Display

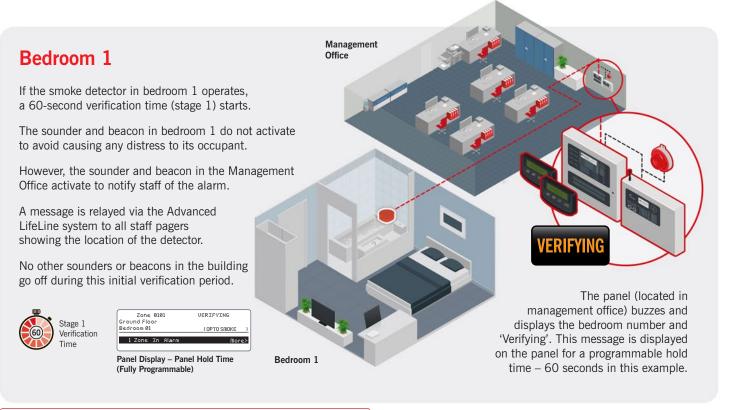
IMPORTANT: According to BS 5839-1:2013, all residential care home premises are now required to have automatic transmission of fire alarm signals to an alarm receiving centre to allow fast and reliable summoning of the fire and rescue service. A staff alarm should not incorporate any delay in summoning the fire and rescue service when the fire alarm system operates. As such, when any latched fire signal is displayed, the signal to the alarm routing equipment should be operated without delay.



*The maximum number of building areas in alarm in this example is set to one. If this is exceeded, no verification is allowed. The maximum number of building areas allowed in verification at the same time is programmable and should be agreed with all parties at design stage



Alarm Calm Cause and Effect



*Times are programmable and shown here for representative purposes. Verification times should be agreed with all relevant parties at design stage

There are four possible scenarios following stage 1 verification:



If, after the 60-second verification period, the alarm condition is not the result of a real fire, and the cause of the alarm activation has cleared, the fire panel will return to its normal condition.





Full Alarm (Persistent Smoke in Bedroom)

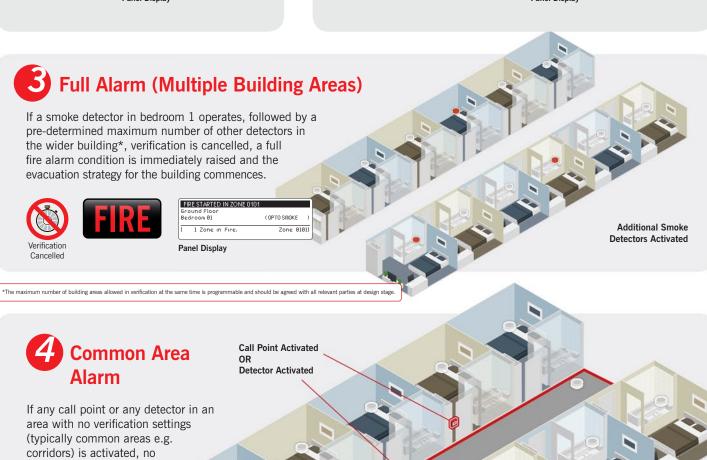
If, at the end of the 60-second verification period, the smoke detector is still in alarm condition, the buzzer on the panel in reception continues to sound (or re-sounds if it was previously muted) and the panel displays 'Fire started' and the bedroom number. This fire condition is now latched on the panel until reset by a responsible person and the evacuation strategy for the building commences.

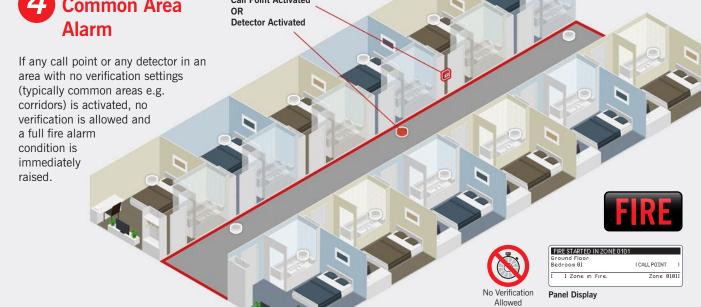




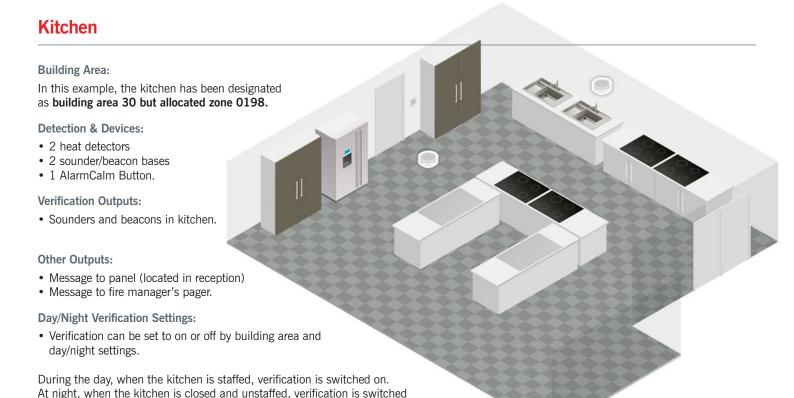
FIRE STARTED IN ZONE 01	01
Ground Floor Bedroom 01	(OPTO SMOKE)
[1 Zone in Fire.	Zone 01011

Panel Display



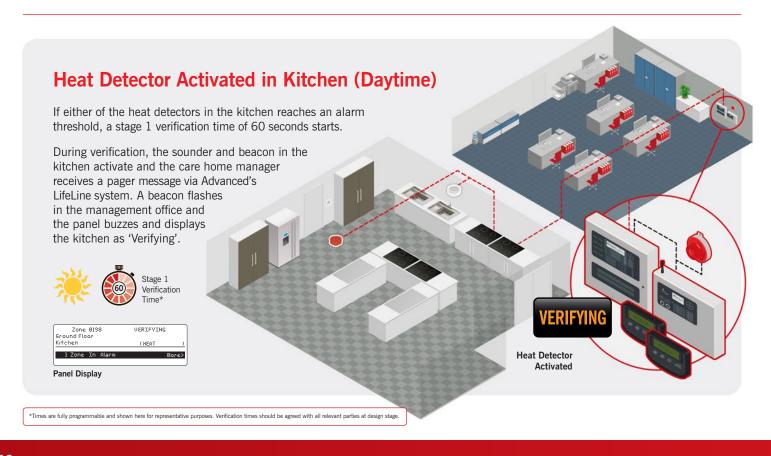


IMPORTANT: AlarmCalm caters for a range of evacuation strategies - from "all-out" systems with single stage evacuation, to phased evacuation which allows the fire system to be programmed dynamically to evacuate those most in danger first, sometimes to an adjoining protected area where the var each before the time in reaccessfor for safe and more afficient executation.



Alarm Calm Cause and Effect

off and the system goes into full fire condition if a detector receives a valid signal.



There are four possible scenarios following stage 1 verification:



System Reset (Unwanted Fire Signal)

If a member of staff in the kitchen believes the signal is not due to a fire that requires a full evacuation, they can press the AlarmCalm button. This silences the local sounders and beacons and extends the verification period by a further 90 seconds (stage 2). This gives the occupant time to remove the source of the unwanted signal and allows the system to return to normal.







Panel Display





If, at the end of the 60-second verification period, the heat detector is still in alarm condition, the panel buzzes and displays 'Fire Started in Zone 0198 Kitchen' and the evacuation strategy for the building commences.



FIRE STARTED IN ZONE 01	98	
Ground Floor Kitchen	(HEAT	-)
[1 Zone in Alarm.	Zone	01981

Panel Display



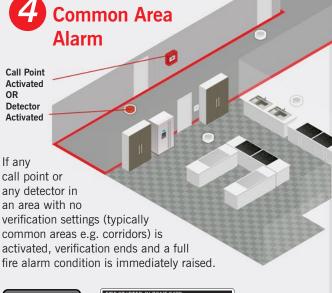
If a second detector activates,
verification ends, a full
fire alarm condition
is immediately
raised and the
evacuation
strategy for
the building
commences.

Second Heat Detector Activated











FIRE STARTED IN ZONE 0198	3
Ground Floor Kitchen	(CALL POXINT)
[1 Zone in Fire.	Zone 01981

Panel Display



example) no
verification is allowed
and the system goes into
full fire condition.



	RESTARTED IN ZONE 019	8	
	chen	(HEAT))
ī	1 Zone in Fire.	Zone	01981

Panel Display

Residents' Dining Room

AlarmCalm gives you total control over your False Alarm Management design, thanks to the flexibility of Advanced's unique programming by building area.

Building Area:

In this example, the dining room has been designated as **building area 32 and designated zone 0200** (see page 6: False Alarm Management Using Building Areas).

Detection & Devices:

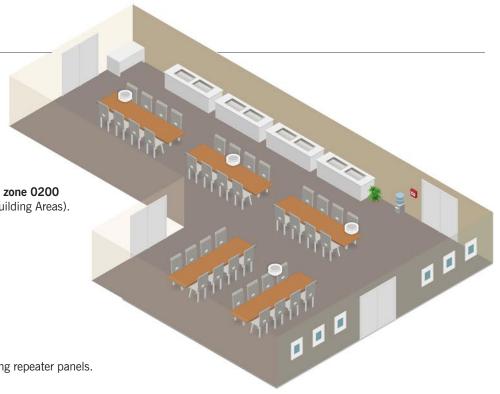
- 4 Multisensors
- 1 Manual call point
- 2 Sounder beacon bases.

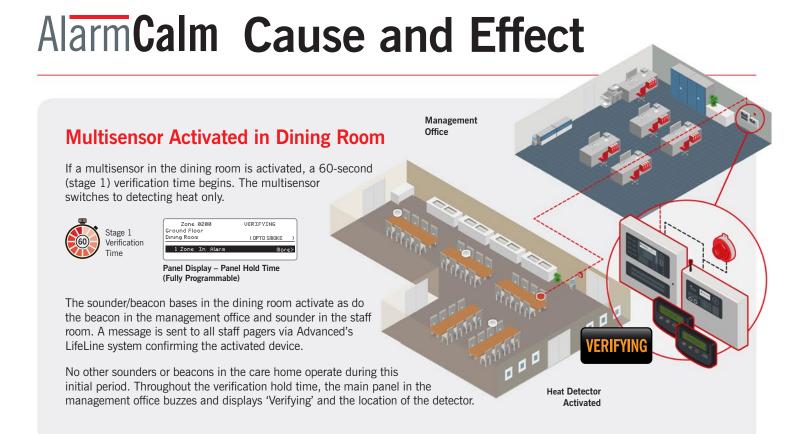
Verification Outputs:

- Sounders and beacons in dining room
- · Sounder in staff room
- Beacon in management office
- Buzzers on main panel and east and west wing repeater panels.

Other Outputs:

- Message to panel (located in management office)
- Message to fire manager's pager.





There are six possible scenarios following stage 1 verification:



If by the end of the verification period, the smoke clears, and no other detector is activated, the system will reset and all sounders, beacons and buzzers will be cancelled.





Panel Display

Full Alarm (Heat also Detected by Multisensor)

If heat is also detected at any point during the verification period, verification is cancelled, and a full alarm condition is raised.



b Full Alarm (Persistent Smoke)

If smoke is still present at the end of the verification period, verification is cancelled, and a full alarm condition is raised.



nr.



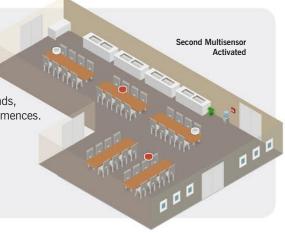
If smoke/heat is detected by a second multisensor in the dining area, verification ends, a full fire alarm condition is raised and the evacuation strategy for the building commences.







Panel Display



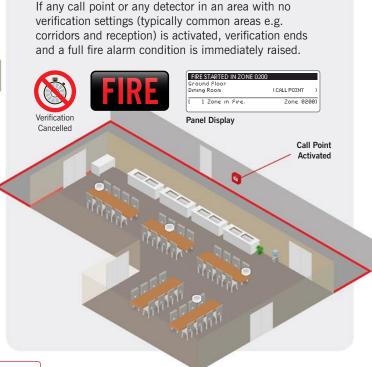


in verification is exceeded at any time, a full fire alarm condition is immediately raised.



E STARTED IN ZONE 02	00	
und Floor ng Room	(MULTX)
1 Zone in Fire.	Zone	02001
	und Floor ng Room	und Floor ng Room (MULTI

Panel Display



Common Area Alarm

*The maximum number of building areas allowed in verification at the same time is programmable and should be agreed with all relevant parties at design stage

Common Areas

Reception, Residents' Lounge, Offices, Staff Room, Laundry, Mobility Scooter Charging Room, Hair Salon, Toilets and Corridors.

In this example, no verification delay is set in the common areas. Instead, an investigation delay is used to allow:

- Any signal to be latched to the panel
- A programmable time for the cause of the signal to be investigated (a countdown timer is displayed on the panel)
- The option to reset the panel if the fire signal is unwanted.

Building Area:

In this example, all devices in the reception, lounge, offices, staff room, laundry, mobility scooter charging room, hair salon, toilets and corridors are designated as **building area 10 and allocated zone 0100**.

Detection & Devices:

- Manual call points along escape routes and at all final exits
- · Optical smoke detectors
- · Sounder beacon bases.

Investigation Outputs:

- Buzzers on main panel and east and west wing repeater panels
- · Sounder in staff room
- Beacon in management office.

Other Outputs:

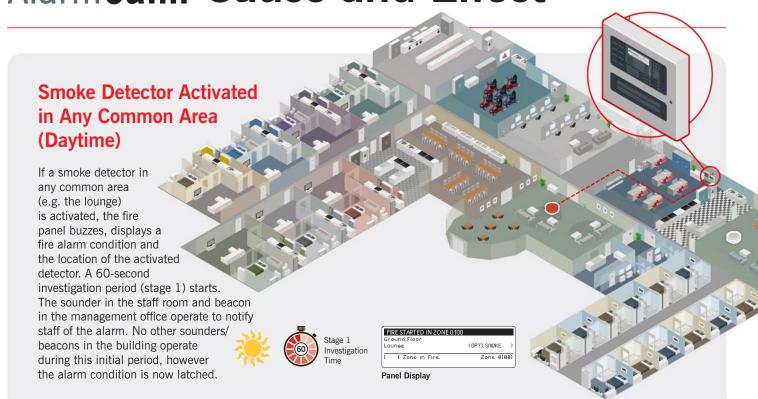
- Message to panel (located in management office)
- · Message to fire manager's pager.

Day/Night Investigation Delay Settings:

• Investigation delays can be set to on or off using day/night settings. Between 07:00 and 20:00 hours, when the care home is fully staffed, investigation delays are in use. The panel and repeaters show 'Delayed' status by means of an illuminated LED.

At night, when fewer staff are on duty, investigation delays are switched off and the system goes into full fire condition if a detector receives a valid signal.

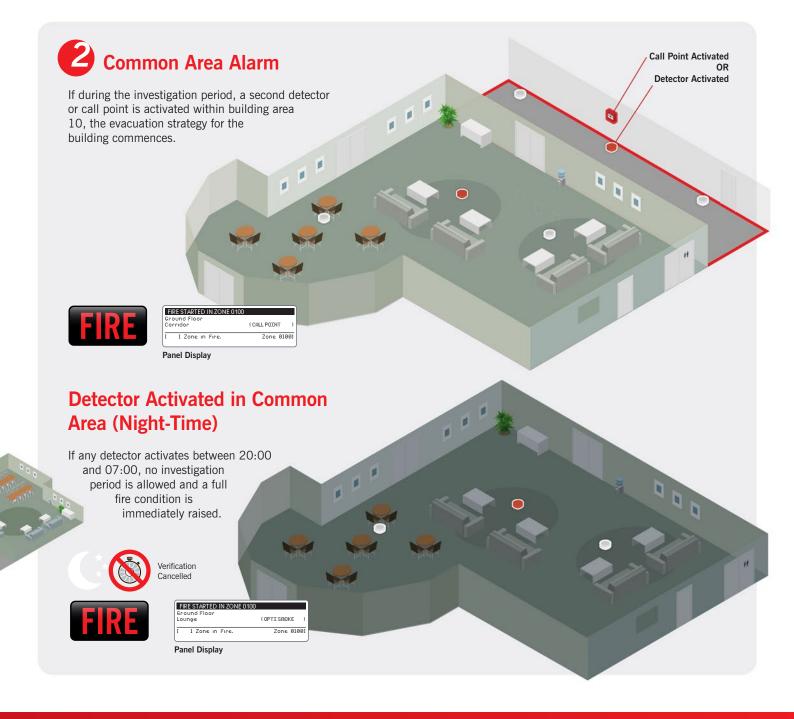
Alarm Calm Cause and Effect



IMPORTANT: According to BS 5839-1: 2013, all residential care home premises are now required to have 'automatic transmission of fire alarm signals to an alarm receiving centre' to allow fast and reliable summoning of the fire and rescue service. A staff alarm should not incorporate any delay in summoning the fire and rescue service when the fire alarm system operates. As such, when any latched fire signal is displayed, the signal to the alarm routing equipment should be operated without delay.

There are two possible scenarios following stage 1 investigation:





Alarm Calm

AlarmCalm is a very powerful tool that allows the automatic false alarm strategy for any building or site to be easily configured.

Much more information is available on the AlarmCalm website, http://alarmcalm.advancedco.com.

Upgrade your Software

AlarmCalm requires software and firmware upgrades which are available to download now via our online support portal, Adanced360. You can also get online technical support, book training, demos and much more – for free.

Register now at http://360.advancedco.com



Contact your regional sales person:

Your first point of contact for any sales or commercial enquiries.

Email: sales@advancedco.com.

And, of course, you can talk to us too: **Tel:** +44 (0)1670 707 111.



Disclaimer:

The examples in this document are only representative and are used to demonstrate some of the settings and options available in Advanced's AlarmCalm system. Every building/site/installed system is different and the false alarm management strategy, system settings and any evacuation strategy, should always be designed by a competent person and agreed with all responsible parties.

If you have any questions please contact us.

Touch Control

Fire Touchscreen. Remote Control Terminal. Active Maps.





The Standard in Fire Systems

BS 5839 Part 1 2013 emphasises the importance of providing accurate and unambiguous information to staff in residential care premises about the location of a fire, and recommends that an addressable system should be fitted if the building has facilities to sleep more than ten people.

Fire System Status at a Glance

TouchControl, our new touch screen remote control terminal and repeater, has Active Maps, a market first, which allows you to create site, building and zone plans with our easy-to-use Map App.

The result is clearer identification of building area status - whether in fire, fault, disablement or other condition.

Simple to install and configure, TouchControl is packed with features designed to provide comprehensive, accurate fire system information.

To discover the full range of TouchControl features, call us on +44(0)1670707111 to book a demo or email us: marketing@advancedco.com to request further information.







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