Advanced

AlarmCalm

Complete False Alarm Management

Verification

Investigation

Reduction

AlarmCalm is the Unparalleled False Alarm Management Solution from Advanced.

AlarmCalm is powerful and flexible. It's easy to install and easy to configure, even with complicated cause-and-effect.

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

Whilst core aspects of FAM are alarm verification, alarm acknowledgement and investigation delays to outputs, time is of the essence.

The fire system, be that single loop, single panel or a 200 node network, needs to react fast. There are issues having a 60 second acknowledgement time set if your network takes 15 seconds to process inputs - that's 25% of the time available.

Advanced is famous for the performance and speed of its networking and our MxPro 5 and Axis fire systems are the foundation for complete, high performance FAM.

The Complicated Made Easy

Complete FAM can involve complicated cause-and-effect. The AlarmCalm option in our DynamixTools Config software makes it very easy to set up FAM and to implement powerful configurations, often in one click. Our systems are famous for their ease-of-use and the AlarmCalm software is the perfect example of our approach.

For customers the software update is free and so is the training - not that we think you'll need it as it's just easy to use.

Intelligent Alarm Acknowledgement Devices

Our AlarmCalm Button allows the residents of a building to verify and acknowledge false alarms, one of the most potent methods of false alarm reduction.

The AlarmCalm Button is a fully intelligent loop device. It's compatible with a standard, UK single-gang backbox and installation is quick, inexpensive and looks good. As it's intelligent the AlarmCalm Button offers multiple configuration options.

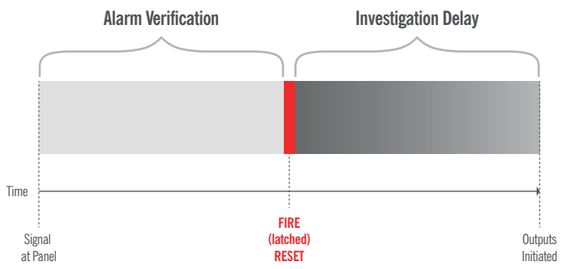
To book a demo, find out more or contact your sales rep please visit www.advancedco.com

AlarmCalm

Complete, Advanced False Alarm Management

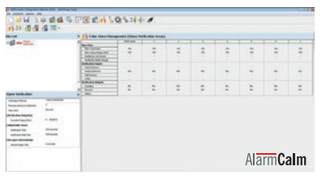
Complete FAM: Alarm Verification & Investigation Delay

False Alarm Management (FAM), is built around configurable time periods that occur either side of a latched fire condition; Before the condition is Alarm Verification (type A Not-Displayed and type B Displayed), and after, Investigation Delays to Outputs. They both offer significant but different FAM options and both are managed in the same way in our software, to maximise ease-of-use and speed of configuration.



The two stages of complete false alarm management. Both are handled separately but configured in the same simple, powerful way using our AlarmCalm software.

Configuration



AlarmCalm's configuration is simple. In our Dynamix Tools Config software there's a new programming tab where all FAM configuration takes place.

Settings are managed via simple Yes/no matrices and even involved configurations can be achieved in very few clicks.

Building Areas

Our Dynamix Tools Config software operates FAM via 'Building Areas'. These are virtual areas that by default match fire zones but that can be specified independently, to cover multiple zones and points or individual points.

Each Advanced MxPro 5 or Axis panel supports 200 Building Areas, (so up to 40,000 over a large network). Each Building Area can have entirely independent FAM strategies, or they can be grouped and share common settings.

Unlimited Points in Building Area

To facilitate quick set-up, the Building Area assigned for each device will automatically be set as the device's zone number. However the Building Area can also be freely assigned for each point on a panel – and as such every detector, call point, input and output can be allocated to a different Building Area.

There is no restriction to the number of points or devices in a Building Area; it can contain all options from one detector and a sounder, to every device on a panel.

Verification Types

Two kinds of verification methods are allowed on the Advanced fire network.

Type A (Not Displayed)

Allows any qualifying detector to go in to alarm for up to 60s without it causing a fire. The panel will not display the alarm during the verification period.

Type B (Displayed)

Delivers great flexibility on every aspect of the verification time and methods, and allows full programming of outputs and visual warnings during the verification period. The alarm location is displayed at the panel and any associated remote terminals throughout the verification period.

Verification by Building Area

It is sometimes necessary to have different verification strategies for different Building Areas. With up to 200 Building Areas per panel, configuration could be complicated but with AlarmCalm its incredibly simple.

AlarmCalm allows Building Area configuration to be set by individual area or by 'other areas'. Simply enter the parameters that apply to most Building Areas in 'other areas' and then add exceptional areas.

Example Configuration:
In a 50 apartment, multi-occupancy building, all apartments have the same verification requirements but need to function independently. Escape corridors are not permitted any verification.

Solution:
Group all the apartments into 'other areas' and apply the verification settings. Configure the escape corridors separately not to use verification. In a few clicks the whole building is configured.

Simultaneous Verification Rules

Verification can occur simultaneously in multiple areas. Users can set the maximum number of Building Areas in verification at any one time before a full fire condition is indicated.

Day and Night Settings

Different false alarm strategies can be programmed depending on time of day, or day of week, using the programmable time clocks available in the Dynamix Tools Config software.

For example, different verification settings can be applied during the day and night and investigation delays can be programmed to be in use at different times and/or days.

Each time clock works on seven-day weeks, allowing different verification or Investigation delay strategies to be activated during weekdays, at the weekend, day and night.

Verification Mode

AlarmCalm allows devices that support multiple sensitivity modes to verify an alarm using a different setting, and based on time and day settings. For example, combined optical/heat detectors can change to heat-only mode to verify the alarm.

Multiple Verification Options

The verification strategy for each Building Area is highly flexible. The following options are supported:

- **Allow verification: Yes/no**
- **Extend verification period/silence verification outputs using an AlarmCalm Button**
- **Verified by 2nd device within the same Building Area**
- **Verified by mode change e.g. an optical/heat detector can confirm fire if it confirms a signal in both smoke and heat modes.**

Multiple Verification Inputs

Verification can be set quickly according to device type in each Building Area. Heat, smoke, multi-sensors and other inputs (call points or any input modules) can be used as verification inputs and set by all devices of each type or individually per device.

Multiple Verification Outputs

Sounders, beacons and relays in each Building Area can be operated during the verification period and can be quickly set by all devices of each type or individually by point.

Multiple Verification Timers

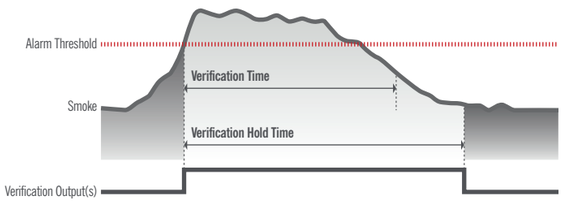
With Type B (Displayed) alarm verification, AlarmCalm delivers a number of adjustable timing parameters. The Verification Time starts from the instant the smoke in a detector increases above alarm threshold or any other applicable input device is activated.

The panel will turn on any programmed Verification Outputs for the Building Area during the Verification Time.

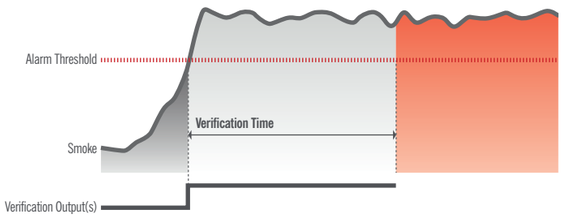
Verification Hold Time helps ensure that transient signals are displayed on the panel long enough to be acknowledged and investigated, but still trigger full alarm conditions when necessary.

If the alarm signal clears before the Verification Time Period has elapsed the system returns to normal operation after the Verification Hold Time has elapsed. This can be more or less than the Verification Time.

If the smoke or signal from a device remains above the alarm threshold when the Verification Time elapses, the panel will go immediately into full alarm condition.



Signal cleared before Verification Time expires – no signal. Without Verification Hold Time the panel would return to normal as soon as the signal dropped below alarm threshold.



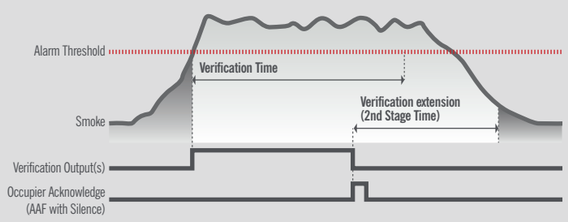
Signal not cleared, system in full fire condition at end of Verification Time.

Intelligent Alarm Acknowledgement

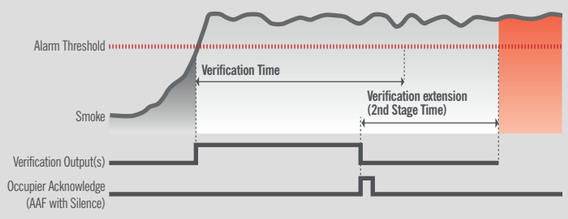
The AlarmCalm Button is a fully intelligent loop device that allows building occupants to acknowledge a fire alarm signal locally, for example if they believe a smoke detector has signaled an alarm because of burnt toast or water vapour from a shower.

The AlarmCalm Button then extends the verification time set in the Building Area by a specified amount, giving time for any transient signal to clear.

AlarmCalm Buttons are loop-powered and can be placed at any required address on the loop. On activation the Button starts a pre-programmed *2nd Stage Time*.



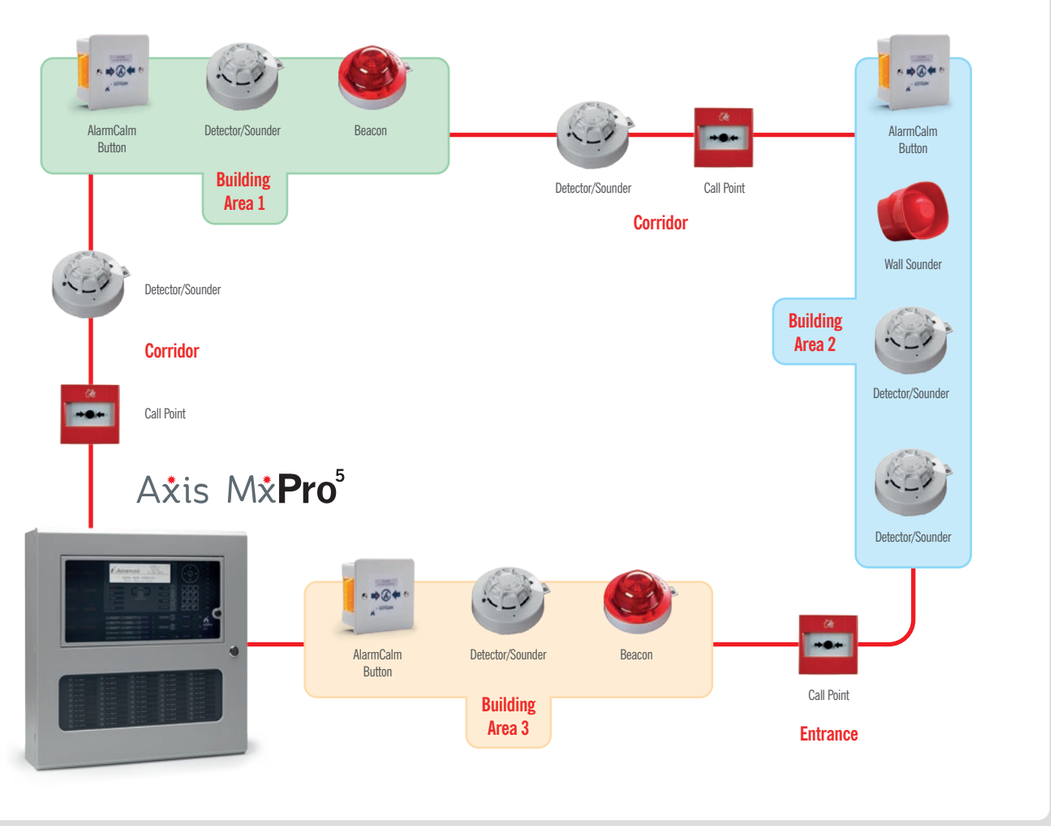
2nd Stage Verification Time started on activation of AlarmCalm Button. Signal drops below alarm threshold before end of 2nd Stage Time. System returns to Normal.



Signal remains above alarm threshold at end of 2nd Stage Time. System enters full alarm condition.

The AlarmCalm Button is highly flexible and easily installed and configured:

- **Push button operation**
- **Customisable slide-in label**
- **Acknowledge signal and silence verification outputs (sounders, strobes, modules)**
- **LED pulse on stage one activation, constant on AlarmCalm Button activation**
- **Programmable AlarmCalm Button buzzer on activation**
- **Set different sounder ring styles for each event/time period**
- **Day/night/day of week operation by time clocks**
- **Verification by second device or mode change**
- **Programmable maximum number of AlarmCalm Buttons in operation before full fire condition signaled**
- **All time periods user defined**
- **Compatible with standard single gang UK electrical back box**
- **Compatible with Advanced's MxPro 5 and Axis fire systems**
- **Wiring terminations suitable for all Advanced-recommended loop cables.**



Sounder Ringing Style

Sounders can be programmed to turn on using different ring styles to distinguish each stage of the verification or investigation delay periods.

Investigation Delays to Outputs

Output delays are managed in AlarmCalm in exactly the same way as verification delays and with the same degree of flexibility. Day/night settings can be applied as well as setting the maximum number of Building Areas to be investigated whilst delayed alarm inputs can be set quickly by all devices of each type, or individually by point.

Delays to Output by Building Area

Cancel on Coincidence can be set by Building Area allowing a 2nd device in the same building area to override the delay. The maximum number of building areas to be investigated at any one time can be set allowing full fire conditions to be activated more precisely than ever before.

Global Acknowledgement

Panels inputs (e.g. a button on the panel) can be configured to extend the verification period regardless of the Building Area in verification or output delay.

Options include:

- **Alarm Verification Only**
  Verification alarm in any Building Area is acknowledged without any effect on verification outputs.
- **Alarm Verification with Silence**
  Verification alarm in any Building Area is acknowledged and outputs are turned off.
- **Delaying Outputs/verification**
  Dual Function acknowledges both Investigation Delay and Verification Alarms.

False Alarm Management and Networks

Each panel is configured with its own verification strategy allowing each panel's strategy to be changed without affecting the network.

By default all network nodes will be aware of verification alarms occurring at other nodes.

The effects of this can be limited:

- **Network display of verification can be suppressed**
- **Maximum areas in verification can be monitored network wide**
- **Global alarm acknowledgement from other panels can be included or excluded by sector.**

Full Event Log

All verifications and delays are recorded in panel event logs.

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