A Fast Fire System

Advanced is famous for the performance and speed of its panels and networking which provide the foundation for complete, high-performance FAM.

Operating at exceptionally high speeds, AlarmCalm’s sophisticated verification and investigation delay technology ensures the maximum possible time available to check if an alarm is genuine.

The Complicated Made Easy

Complete FAM often involves complicated cause and effect. The AlarmCalm area of our DynamixTools software makes it quick and easy to set up a vast array of investigation and verification options, customised to your exact needs – in just a few clicks.

For customers, software updates and training are free.

Intelligent Alarm Acknowledgement Devices

The AlarmCalm button is an optional element within our AlarmCalm system. It 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 button offers multiple configuration options.

AlarmCalm is powerful and flexible. It’s simple to install and easy to configure, even with complicated cause and effect. It’s the best-in-class solution for optimal False Alarm Management, (FAM):

Complete False Alarm Management
Verification Investigation Reduction

Customised Configuration

We give you complete control over the way you configure your FAM. Our programming allows you to quickly and easily create virtual ‘building areas’, independent of fire zones, for greater precision in FAM design. Each building area can have entirely independent false alarm management strategies, or can be grouped and share common settings.

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Each building area can have entirely independent false alarm management strategies, or can be grouped and share common settings.
Complete, Advanced False Alarm Management

**Unlimited Points in Building Area**

To facilitate quick set-up, the Building Area assigned for each device will automatically be set to the unit’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 on the number of points or devices in a Building Area. Each can contain any option – from a detector and sounder, to every device on a panel.

**Verification Types**

Two-kinds of verification methods are available on the Advanced fire panels:

- **Type A (Not Displayed)**: Allows any qualifying detector to go into alarm for up to 60 seconds without causing a fire. The panel will not display the alarm during the verification period.

- **Type B (Display)**: Delivers great flexibility on every aspect of the verification time and methods, and allows full provisioning of inputs and visual warnings during the verification period. The alarm location is displayed on the panel and is 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 it’s incredibly simple. AlarmCalm allows Building Area configuration to be set by individual areas or by ‘other areas’. In ‘other areas’, simply enter the parameters that apply to most Building Areas, and then add parameters for the individual 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 allowed any verification.

**Solution:**

- Group all the apartments into ‘other areas’ and apply the verification settings. Configure the escape corridor separately without 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 the 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 programming time slots available in the Dynamic Tools Config software.

- For example, different verification settings can be applied during the day and night.

**Verification Mode**

AlarmCalm allows devices that support multiple sensitivity modes to verify an alarm using different settings. For example, combined optical heat detectors can change to heat-only mode to verify false alarm. You can also alter these settings based on day/night.

**Multiple Verification Outputs**

Sounds, 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 (Display) alarm verification, AlarmCalm delivers a number of adjustable parameters. These verification times start from the instant the smoke in a detector increases above alarm threshold and are other applicable input device is activated.

**Verification Output(s)**

Upon activation, the AlarmCalm button light pulses on stage one activation, constant LED pulse on stage two activation, constant LED pulse on stage three activation, and output can be allocated to a different Building Area. Delays to output by Building Area can be set by Building Area allowing a maximum number of Building Areas to be investigated. Delayed alarm inputs can be set up to the maximum number of Building Areas to be investigated at any one time. All alarms in the same simple, powerful way using our AlarmCalm software.

**Configuration**

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

**Building Areas**

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

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

**Verification and investigation comprise the two stages of complete false alarm management:** Both are handled separately but configured in the same simple, powerful way using our AlarmCalm software.

**Intelligent Alarm Acknowledgement**

The AlarmCalm Button is a fully-intelligent loop device. It 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 extends the verification time set in the Building Area by a specified amount, giving time for any transient signal to clear.

**Multiple Verification Outputs**

Sounds, 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 (Display) alarm verification, AlarmCalm delivers a number of adjustable parameters. These verification times start from the instant the smoke in a detector increases above alarm threshold and are 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/flash signal before the verification period has elapsed, the system returns to normal operation after the verification hold time expires. 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 expires, the panel will go immediately into full alarm condition.

**Sounder Ringing Style**

Sirens can be programmed to be run 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, with the same degree of flexibility. Daynight settings can be applied, as can the maximum number of Building Areas to be acknowledged. False alarm inputs can be set up to the maximum number of Building Areas to be investigated at any one time. All alarms in the same simple, powerful way using our AlarmCalm software.

**Delays to Output by Building Area**

Cancels or overrides can be set by Building Area allowing second 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 acknowledged more precisely than ever before.

**Global Acknowledgement**

Panel 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**
- **Global alarm acknowledgment from other panels can be included or excluded by sector.**

**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.

**Effects of this is can be limited:**

- **Network display of verification can be suppressed.**
- **Maximum areas in verification can be monitored network-wide.**
- **Global alarm acknowledgment 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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