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.
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 MaPro 5 and Axis fire systems are the foundation for complete, high performance FAM.

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):

1. **AlarmCalm** is the Unparalleled False Alarm Management Solution from Advanced.

2. **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.

3. **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 a latched fire condition, the fire alarm panel can be de-activated either by an external remote terminal or by the Advanced MxPro 5 panel. The panel will send a latched fire condition for a short period of time before the fire alarm panel de-activates. The fire alarm panel will then return to normal operation.

Configuration
AlarmCalm's configuration is performed using our built-in programming tab where all FAM configuration takes place.

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

Each Advanced MxPro 5 or Area panel supports 200 Building Areas, each up to 40,000 square meters. 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 of the number of points or devices in a Building Area. It can contain all outputs from one detector and a sounder, to every device on a panel.

Verification Types
Two kinds of verification methods are allowed on the Advanced FAM network.

Type A (Not Displayed)
Allows any qualifying detector to go in alarm for use to IDs 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 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, it is incredibly simple.

AlarmCalm allows Building Area configuration to be set by individual area by area. Simply enter the parameters that apply to each Building Area, select the area, and then apply the selected 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 in any verification.

Solution: Group all the apartments into ‘other areas’ and apply the verification settings. Configure the escape corridors separately and 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 to verify 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 Dynamic Tools Config software.

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

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

Verification Mode
AlarmCalm advises devices that support multiple sensitivity modes to verify an alarm using a different setting, and based on time and day settings. For example, combined smoke/heating 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/development outputs using an AlarmCalm Button
- Verify by 2nd device within the same Building Area
- Verify by code change e.g. a optical/heat detector can confirm if it conforms 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 sensors (call points or any input module) can be used as verification inputs and set for all devices of each type or individually per device.

Multiple Verification Outputs
Sounders, beacons and delays 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 timing parameters. The verification period starts from the instant the alarm 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 condition when necessary.

If the alarm signal stays below the verification threshold for a pre-defined period, the system returns to normal operation after the Verification Hold Time has elapsed. This can be set to be less or more than the Verification Time.

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

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.

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

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 to exactly the same way as verification delays and give the ability to delay any output device for any period of time and/or day. Delays can be programmed to be in use at different times and days.

Delays to Outputs by Building Area
Conversely, you can set the verification or output delay for each Building Area to vary independently or globally by point.

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 inputs.
- Alarm Verification with Silence
- Verification alarm in any Building Area is acknowledged and outputs are turned off.
- Delaying Outputs/verification
- Delaying outputs, enabling 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 networks 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 acknowledgment from other panels can be included or excluded by sector.

Full Event Log
All verifications and delays are recorded in panel event logs.
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