AlarmCalm Button

AlarmCalm is Advanced's complete False Alarm Management (FAM) solution.

AlarmCalm comprises Advanced's MxPro 5 or Axis EN fire systems, new AlarmCalm config software and our intelligent, loop powered, AlarmCalm buttons.

Among many features AlarmCalm allows the initial activation of a fire detector to be accepted and dealt with in a localised area of the protected premises. i.e. an AlarmCalm Button located inside dwelling/apartment can used be for silencing unwanted alarms when there is a local fire condition.

When used in conjunction with the AlarmCalm software it can be used to help verify if an activated condition from a device is considered to be a genuine alarm before the fire alarm condition is displayed on the panel.

The AlarmCalm button is a dedicated module connecting to an Apollo or Argus protocol detection loop on our MxPro 5 multiprotocol panel.



Features

- Push button input
- LED output (for use as polling/activated function)
- Mechanically compatible with a single gang UK electrical back box
- Fully addressable device address, sits on loop (Apollo: 1-126, Axis EN: 1-240)
- Fully programmable using AlarmCalm software, including verification and second-stage times
- Unique device type recognised as AlarmCalm unit by MxPro 5 FACPs
- Wiring terminations suitable for all Advanced recommended loop cables
- Optional programmable audible buzzer output
- Aimed at reducing unwanted alarms

Specification

Dimensions (HxWxD mm)	86x86x23
Connection Details	Loop In, Out & Screen connections
Control Buttons	Push-Button Input
User Indication	LED output: Blink on poll. Pulse during Stage-1 and ON during Stage-2 (Acknowledged)
Buzzer	75 dB @ 1m
Current Consumption (Quiescent)	Apollo 1.0mA (AV: 0.6mA)
Current Consumption (Alarm)	Apollo 1.5mA (AV: 4.5mA)
Current Consumption (Buzzer)	Apollo 7.6mA (AV: 8.5mA)

Operating Voltage	17-28V
Address	Apollo: 1-126 (AV: 1-240)

Order Codes and Options

MXP-541A-002:	AlarmCalm button - Apollo Protocol
MXP-541V-002	AlarmCalm button - Argus Vega protocol

More Information



How Does the AlarmCalm System Work?

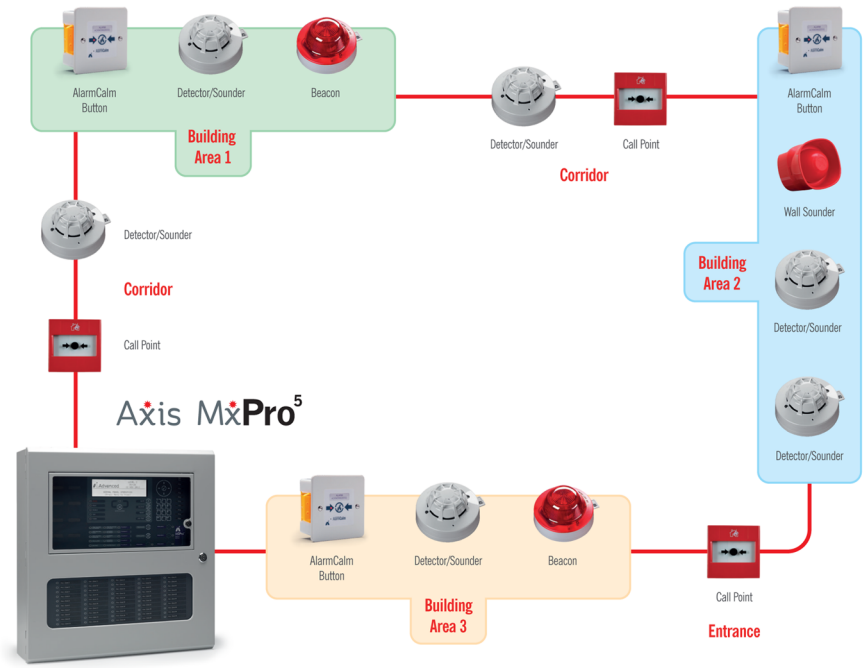
AlarmCalm software allows up to 200 Building Areas to be configured per panel. Each Building Area is a virtual area, independent of fire zone that can have entirely unique FAM settings applied, or have settings copied from other Building Areas. This approach leads to unprecedented FAM configuration options.

Every input and output device is fully configured by Building Area. i.e. every input and output device on a loop can be assigned to a building area irrespective of its loop or zone number. Each AlarmCalm module can also be added to a building area and pressing the AlarmCalm button when there is a local fire condition (from a device within the same building area) will silence any locally programmed sounders as well as extending the verification time (2ndstage time). Provision can also be provided on the panel for a global acknowledge button.

Alarm Verification can be selected for individual devices within a building area or by device type i.e. Heat detectors, Smoke detectors, Multi sensors, other input devices. Verification can also be selected via mode change.

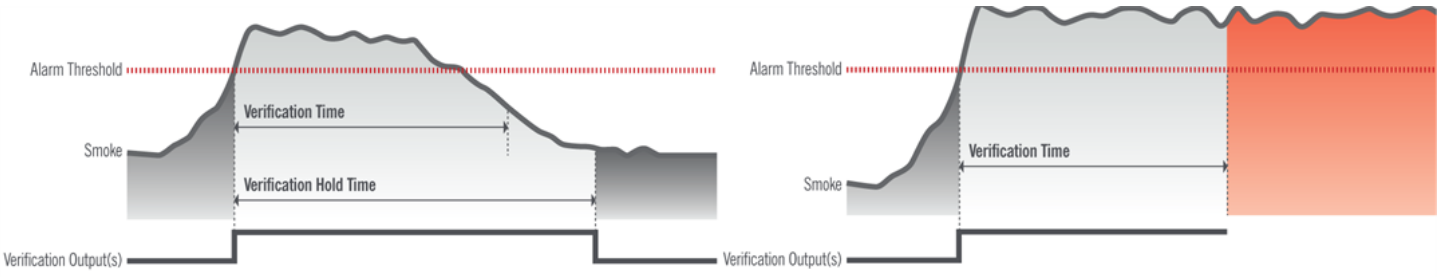
Verification outputs can be programmed to operate individually or by device type i.e. Sounders, Beacons, relays. Any sounders operating during the verification period can be programmed to operate using a different sound (using a different ringing style).

An alarm can optionally be verified by; a 2nddevice within the same area, the same device using a different sensitivity setting or by a number of different areas.



AlarmCalm Sequence of Events

The most common sequence of events would be as follows: -



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.

- An alarm-level is detected by a fire detector with the option for a local sounder(s) to be activated.
- A programmable time period (stage-1) commences allowing personnel in the area to press a local AlarmCalm Button.
- If the button is not pressed within the stage-1 period, and the level of the detector remains above the alarm level, the panel enters the fire alarm condition and the configured fire alarm sequence commences.
- If, however, the AlarmCalm Button is pressed within this time (stage-1), then a further programmable time period commences (stage-2), before the panel will enter the fire alarm condition.
- If the detector value returns to a normal level, before either stage 1 or stage 2 times has expired, the system returns normal before a fire condition is reported.
- The device details can be displayed by the panel during stage 1 and stage 2 and the condition held on the displayed for a minimum duration (programmable).

Programming Options

AlarmCalm software provides the following options:

Two methods of FAM, before and after the latched Fire Signal: Alarm Verification Type B (Displayed) and Type A (Not Displayed); and Investigation Delays to Outputs. Both are configured separately but in the same simple fashion and as a result we believe AlarmCalm is the best-in-class FAM solution today.

Verification options include:

- Verification Time – If one or more devices in the same area stays in alarm for longer than time specified the panel will enter a fire condition.
- Min Time in Verification – Devices will not return to normal until this time has elapsed.
- Second Stage Time – Further time to clear the alarm condition if stage 1 is acknowledged.
- Sounder Ringing style – Any sounders operated during verification will use the ringing style.
- Max Areas in Verification – Maximum areas allowed in verification mode simultaneously across the network (Fire Alarm displayed if number exceeded).
- Time clock – Day/Night time settings
- Verification uses AAF – Select if the verification period can be acknowledged (extended)
- Verified on 2nddevice – Select if an alarm can be verified by a 2nddevice in that area.
- Verified by SMS change – select if an alarm can be verified by the same device using a different sensitivity.

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