



Features:

- Loop powered addressable device
- Built-in short circuit isolation
- Easy configuration of Acknowledge and Investigate periods
- Event logging of AAF sequence
- Allows a group of detectors to be assigned to a nominated AAF
- Aesthetically pleasing single gang Clipsal 2000 wall plate
- Investigate status displayed at FACP and all associated LCDA's
- Audible warning is 75d/B @1m from the built-in buzzer
- On board visual indication for “polling”, Fire and Fault status
- Remote ‘Hush’ button input terminals available
- Complies with AS7240 and AS4428



Description

The Alarm Acknowledgment Facility (AAF) is a loop powered addressable device that helps reduce the costly consequence of an unwanted alarm.

An occupant is able to silence the sounder, activated by an incipient alarm, thereby allowing some time for 'investigation'.

In the event that this is an unwanted alarm, the detector is reset and fire system reinstated to normal. This facility prevents the costly automatic callout of the fire brigade.

If the event is a real fire condition, the system will go into general fire alarm after a prescribed investigation period or the initial alarm was not initially acknowledged by silencing the AAF.

Typical application of the AAF would be in Living-In-Accommodation (LIA) i.e. hotels, apartments, boarding schools, defence barracks, etc. The AAF can also be configured to operate on any site where there is 24hr manned security.

Technical

For the correct operation of the AAF the following key points need to be considered:

- ✓ Loop powered addressable device means that additional cabling for power is not required. However the loop loading will need to be considered. (Use the Ampac Loop Calculator) The device address must be set correctly
- ✓ System configuration by using ConfigManager. It may be necessary to group a number of detectors and assign it to an AAF. Therefore when any these detector go into alarm the associated AAF can silence any audible warning devices and initiate the investigation period
- ✓ Setting the 'Acknowledgement' and 'Investigate' periods. (Achieved through the use of ConfigManager)

- Acknowledgement period specifies the length of time an occupant has to silence the alarm. Failure to do so will put the fire system in general alarm (Max 60sec)
- Investigate period specifies the length of time the occupant has to investigate the cause of the alarm after silencing the AAF. If the cause of the alarm is not removed by the time the investigate period expires, the fire system will go into general alarm (Max 180sec)

Each AAF has short circuit isolation built-in. Therefore it provides a high level of system integrity when installed on the addressable detector loop. The circuitry is self resetting in the event the fault condition is removed.

A facility to connect a “Hush” button remotely is also available. The remote button will operate in the same fashion as that located on the front of the AAF. This circuit is monitored.

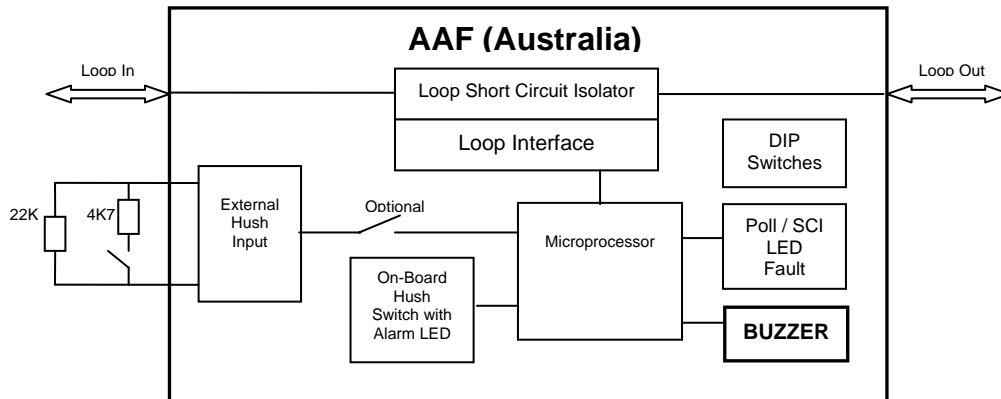
A Fire, Fault and Polling indication is available with the later two (2) located inside the front cover.

Specifications

Operating Voltage	21 to 28 VDC (loop powered)
Quiescent Current	900µA at 24VDC
Alarm Current	<8mA at 24VDC
Address Setting	1 to 126
Dimension	Single gang Clipsal plate vertical
Material	High impact ABS (white)
Weight	45 grams
Compliance	AS7240.2 and AS4428.1 Amdt 1

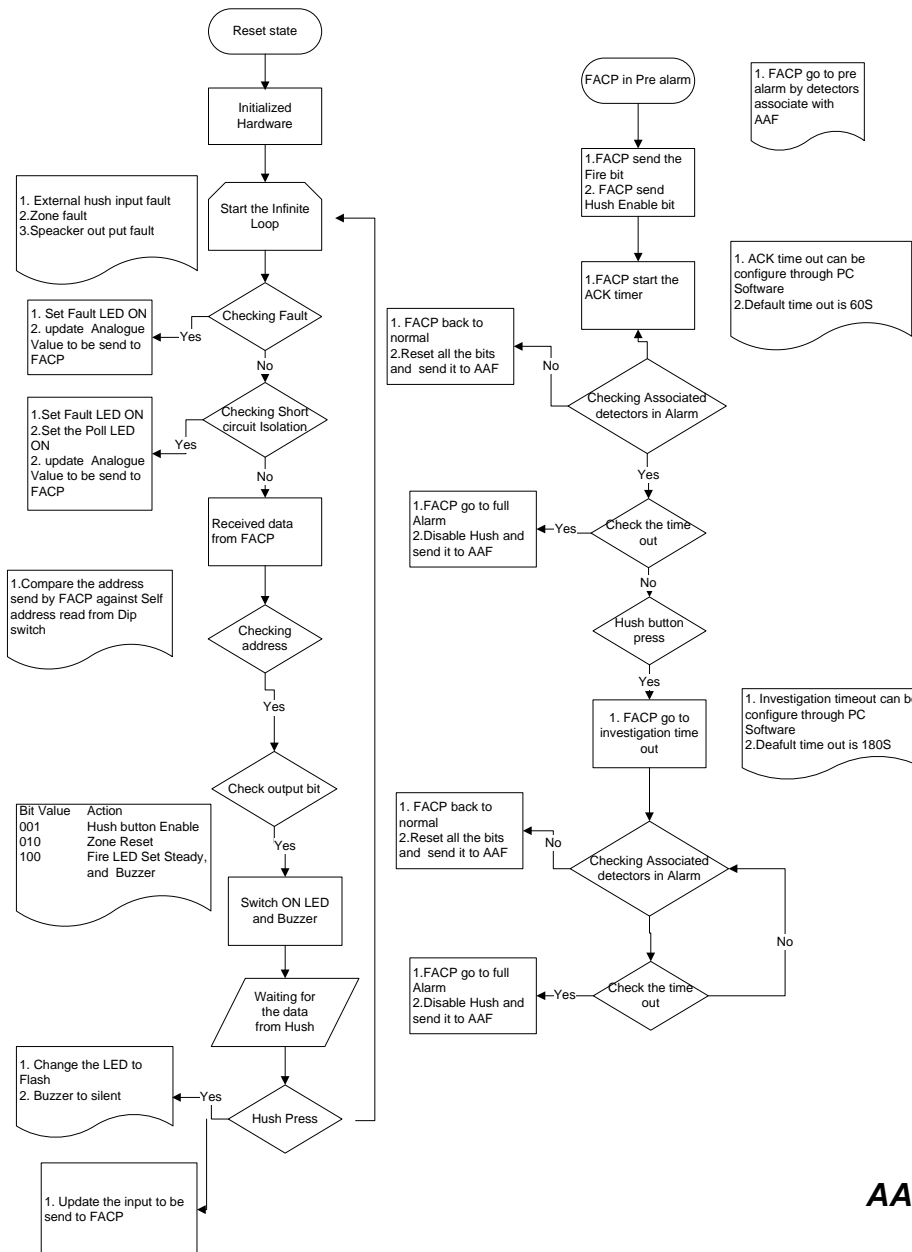
Item Number

226-0002	Alarm Acknowledgement Facility AS
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Architecture of the AAF Device

AAF Data Flow Diagram



Operation of the AAF Device in conjunction with FireFinder FACP