

PERTRONIC INDUSTRIES LTD

DATASHEET

Alarm Acknowledge Module (AAM)



Overview

The Pertronic Alarm Acknowledge Module (AAM) provides a delay of fire alarm activation in the event of a nuisance alarm in a sole occupancy unit. This provides an opportunity for the occupant to clear the cause of the alarm. The AAM is designed to reduce the number of nuisance fire brigade calls.

Each AAM module should be configured to only control detectors within the sole occupancy unit it serves.

The AAM in-built piezo buzzer will begin to sound if a detector alarm within the sole occupancy unit is triggered. The alarm will also initiate an "Acknowledge" time delay period in the F220.

Pressing the AAM button during the "Acknowledge" period enables an "Investigate" time period. The fire brigade is automatically called if the button is not pressed during the "Acknowledge" period.

To prevent fire alarm activation, the cause of the alarm must be cleared during the "Investigate" period. If the alarm condition is not cleared, the fire brigade will be called.

Only one button press is acknowledged per alarm cycle. The buzzer may easily be tested by pressing the button until the buzzer sounds.

The AAM is supported by the F220 fire panel. The module connects to and is powered from the analogue loop using a single module address. No additional power supply is required.

The AAM complies with the Alarm Acknowledge Facility requirements in AS 1670.1:2015, and AS 7240.2:2004.

Pertronic detectors have in-built LED indicators which satisfy the visual indicator requirements of alarm acknowledge facilities in AS 7240.2:2004.

Features

- » Fully compatible with F220 alarm acknowledge facility
- » Local piezo-sounder with alert or ISO8201 T3 Evacuate tone output
- » Volume control to suit local environments
- » Button to acknowledge nuisance alarms
- » Loop powered and controlled, no additional cabling
- » Low power consumption
- » Rotary address switches
- » Configurable "Acknowledge" and "Investigate" time periods
- » Fits standard single gang flush or surface electrical box
- » Designed for unobtrusive installation
- » Buzzer test function
- » Complies with AS 1670.1:2015, and AS 7240.2:2004
- » Also compatible with Pertronic F120A

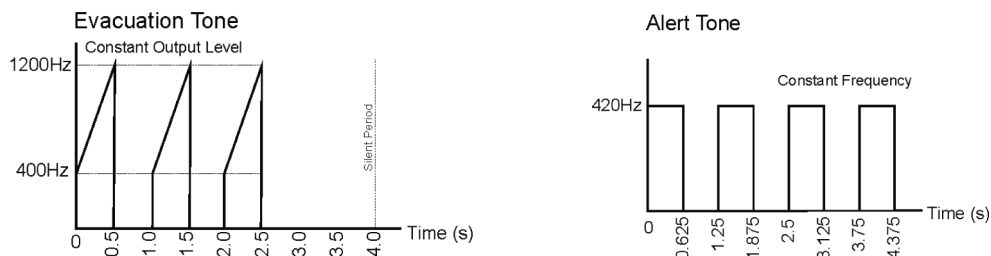


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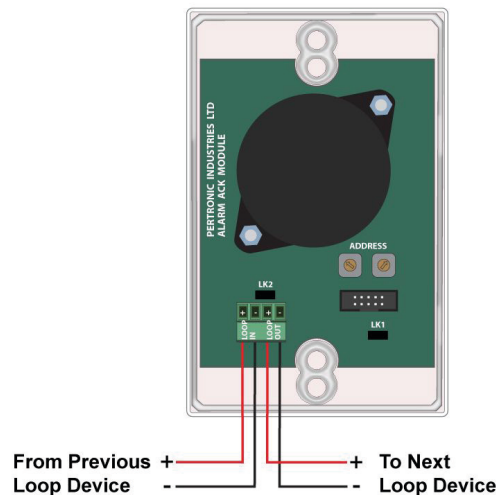
Specification

Dimensions		118 x 74 x 29 H x W x D mm (without Back Box)
Operating Voltage		15 Vdc to 30 Vdc
Power Supply Current	Normal	Average 520 μ A @ 17 Vdc
	Alarm	Average 6.5 mA, peak 10 mA @ 17 Vdc
Communications		Analogue Addressable
Cable requirement		2-core twisted, IN and OUT
Operating Temperature		-10 °C to +50 °C
Humidity		\leq 95 % RH, non-condensing
Sound Pressure Level (Configurable at each tone)	Alert	83 dBa at maximum volume, 64 dBa at minimum volume
	T3 Evac	86 dBa at maximum volume, 74 dBa at minimum volume

Tone Characteristics



Typical Connections



Ordering Information & Notes

Product Code	Description
AAM	Alarm Acknowledge Module

The information in this document must not be treated as partial or complete instructions for the design, construction, installation, commissioning, or maintenance of fire detection, fire alarm, or building evacuation systems. Fire and evacuation systems must be designed and installed by properly qualified persons, in accordance with all regulatory requirements.

Unless explicitly stated otherwise, this document provides typical specifications and nominal dimensions. Actual product performance and dimensions may vary.

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