

4445- Alarm Acknowledgement Module

Key Features

- ▶ Multiple detectors per module, max 5
- ▶ Loop module, one address per module
- ▶ Loop powered, no additional wiring
- ▶ Surface or flush mounting
- ▶ Multiple time setting for acknowledgement and investigation time
- ▶ Easy to program in EBLWin
- ▶ Controls standard sounder base 3379
- ▶ Suitable for apartments or similar locations

Product Description

The Alarm Acknowledgement Facility (AAF) enables the occupant to control the smoke detection inside the sole occupancy unit within a pre-determined time delay. The Alarm Acknowledgement Module (AAM) is used in conjunction with sounder base 3379.

The AAF provides the occupant with a facility to avoid the unwanted alarms within the occupancy, e.g. cooking fumes, smoking, aerosol spray and steams.

Each AAM is configured as an AAF zone which can include up to 5 smoke detectors. If the analogue value of one or more smoke detectors in an AAF zone reaches the level of alarm, the alarm acknowledgement process starts. The occupant has 30 seconds to press the button (acknowledgement time) which provides the occupant with up to 90 seconds to investigate the alarm and clear up the smoke.

The alarm investigation period of 90 seconds is considered appropriate for protected areas with normal levels of ventilation or accessibility. The investigating period is adjustable 1-9 minutes to satisfy other applications. The acknowledgement period also is adjustable 10-120 seconds.

Each AAF Zone consists of one or up to five analogue smoke detectors (4401/4400), one or up to five sounder bases 3379 and one AAM, all connected to same COM loop.



Operation

The sequence of the Alarm Investigation facility could be explained as follows:

- One of the smoke detectors in an AAF zone reaches the fire alarm level, Sounder Base 3379 sounds and acknowledgement timer starts (programmable 10-120 seconds). During the acknowledgement period, the control panel displays:

AAF Zone zz, activated
dd-mm-yyyy_hh:mm

If acknowledgement button is not pressed during the acknowledgement period, a common alarm will be registered in the panel.

- When the acknowledgement button is pressed during the acknowledgement period, the sounder will silence, investigation period starts (programmable 1-9 minutes) and red LED illuminates.

NOTE: The acknowledgement button must be held down for approximately 5 seconds. During the investigation period, the control panel displays:

AAF Zone zz, investigation in progress
dd-mm-yyyy_hh:mm

When all the smoke detectors in the AAF zone during the investigation time become normal (analogue values is less than the alarm threshold), the system will return to the normal condition.

If the smoke level in any of the smoke detectors is still above the alarm level, a normal fire alarm condition is activated.

If more than one AAF zone is activated, only the first zone will be shown on the display.

Note: The Panasonic 4445 has replaced the 3340 Alarm Acknowledgement Module. Functionality is typically the same. 4445 is configured in **EBLWin V2.2.0 or higher in Normal Mode**, 3340 has been moved to the "Discontinued units".

Current 4445 = Discontinued 3340

Due to continual product development, Brooks reserve the right to alter product details and specifications without prior notice.

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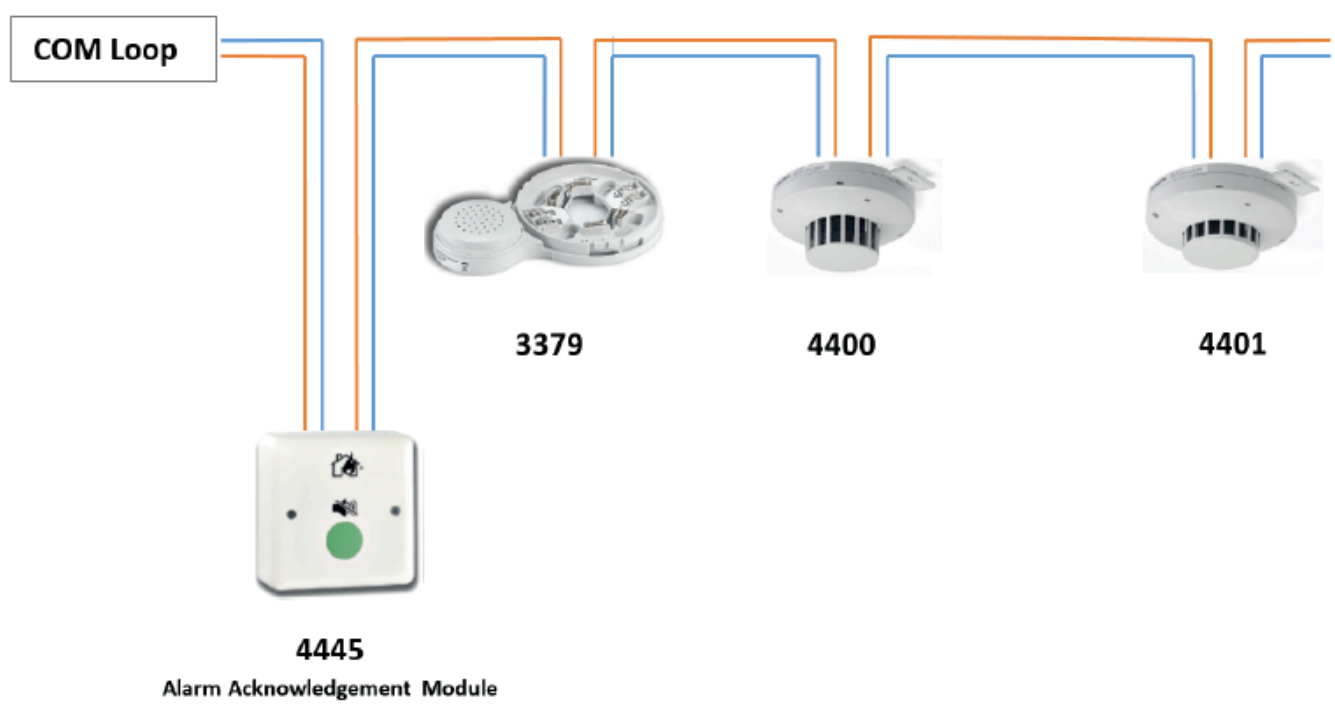
Notes

- All devices within the same AAF zone must be connected to the same CIE.
- Maximum number of smoke detectors in an AAF zone is 5 detectors.
- Smoke detectors in an AAF zone cannot be programmed as 2-unit-dependent and be controlled by Alert Annunciation function.
- Only analogue photoelectric smoke detectors 4401 and analogue multi detector 4400 can be used for AAF. If analogue multi detector 4400 is used, it must be programmed as type "Two Addresses" so that only the smoke part of the detector can be used for AAF.
- Maximum number of AAF zones per CIE is 100.
- Sounder base 3379 has to be programmed with trigger condition no. 41 = AAF zone alarm (and/or other trigger condition)
- Replacement for the 3340 AAF.

Technical Specifications:

Temperature:	-10 to +55°C
Humidity:	< 90%
Dimensions:	84 x 84 x 22mm
Weight:	39g
Protection:	IP43
Current Consumption:	2 mA Quiescent 5 mA Alarm

Connection Diagram:



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