

Commissioning & Maintenance



Voice Alarm (VA) and Emergency Voice Communication (EVC) systems can be used at any time. Their primary task is to provide reliable communication methods during life-threatening emergencies.

Because of this, maintenance of these systems by competent engineers is essential, and it is also a requirement of BS5839.

We offer a comprehensive commissioning and maintenance service for all our VA and EVC systems.

OUR MAINTENANCE SERVICES - what we do:

VOICE ALARM: (Covered by BS5839 Part 8)

Quarterly maintenance:

Scheduled attendance by Baldwin Boxall engineer to carry out inspection of systems. As a minimum, the following will be checked during the visit:

- Provide a report on the batteries to include: the battery age, connections, charging system and to determine any deterioration.
- Check physical interface connections with the fire alarm panel.
- Carry out functionality test of the system.*

Six monthly maintenance:

Scheduled attendance by Baldwin Boxall engineer to carry out inspection of systems and provide Certificate of Compliance to BS5839 Part 8. In addition to those items identified in the quarterly test, the following will be carried out:

- Visual check of system and infrastructure wiring.
- Test emergency messages and fire microphones.*
- Check and record parameters of 'end of line' units.*
- Make subjective assessment of message audibility and general condition of speakers.*
- Review report log and identify/address any outstanding events.
- Provide refresher training for site appointed staff.
- Assess results against previously reported figures, to determine overall system performance.
- Issue Certificate of Compliance to BS5839 part 8.

Annual maintenance (see 'Note'):

- Check the sound pressure level at each loudspeaker zone; confirm that the emergency broadcast is at a practical level above the ambient noise. (RASTI tests are not included, we would be pleased to provide quotations for this service.)

* Requires message broadcasts (fire trigger tests by fire alarm company).

EMERGENCY VOICE COMMUNICATION: (Covered by BS5839 Part 9)

Bi-annual maintenance:

Scheduled attendance by Baldwin Boxall engineer to carry out inspection of systems and provide Certificate of Compliance to BS5839 Part 9:

- Each outstation will be operated and checked - ensuring that speech is clear and intelligible.
- A visual inspection will be made to check that all outstations remain unobstructed and free from damage.
- Batteries and their connections are examined to ensure that they are in good serviceable condition and not likely to fail before the next service visit. The charging system is also checked.
- All controls and visual indicators at the master station will be checked for correct operation.
- Where provided, all optional functions of the control and indicating equipment will be tested.
- All fault indicators will be checked, where practicable by simulation of fault conditions.
- On completion of the work, any outstanding defects will be reported to the person responsible and a certificate of servicing will be issued.

NOTE:

- Annual maintenance of a voice alarm system includes a range of the three month and six month core checks. All aspects of the needs of the system are taken into consideration during the annual service.
- Over and above the requirements of BS5839, we include our own 33 point check of the system. This ensures that the system remains within the BS5839-8 standard and is a reliable, fully-functioning system.
- Any replacement parts that are required to complete any of the scheduled visits, will be advised and charged for separately if appropriate.

USER RESPONSIBILITIES

In addition to the maintenance services we offer, regular checks of the system should be carried out (this is also a requirement of BS5839). These routine checks should be carried out by a competent person as appointed by the customer. To help with this, as part of our annual maintenance visit, we can provide a one hour refresher training for staff.

Minimum recommended checks are as follows:

VOICE ALARM:

Daily:

- Check control panel indicators are operating as normal and complete daily log.
- Report any faults.
- Check fault records to confirm any outstanding actions.

Weekly:

- Test system functionality in conjunction with fire alarm system. Make subjective assessment of message intelligibility.
- Test all microphones for correct operation.
- At least one loudspeaker must be checked weekly. Over a thirteen week period all loudspeaker zones must be checked.
- Report and log any faults identified.
- Complete system test log.

EMERGENCY VOICE COMMUNICATION:

Daily:

- Check control panel indicators are displaying the correct status or that any fault status is receiving the necessary attention.

Weekly:

- Test system functionality by making a call from an outstation (fire telephone or disabled refuge). Confirm that the call is correctly received at the master station.
- A different outstation should be tested each week, so that all the outstations are tested in rotation.
- Report and log any faults identified. The system test log should identify the outstation that has been tested.

REPLACEMENT BATTERIES:

The batteries in a voice alarm system should be replaced at least every five years and MUST be Baldwin Boxall approved batteries.

Failure to use approved batteries may invalidate the EN54-16 certification of the system.

QUOTATIONS & BOOKING:

For further information on these services, or for a quotation, please contact: engineering@baldwinboxall.co.uk.



BALDWIN BOXALL
LEADING THE WAY TO SAFETY

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