

EVACUATION SOLUTIONS



EDUCATION

Education Audio Management Systems

Increasingly, colleges and universities are discovering the advantages of a voice alarm (VA) / public address (PA) system. Also, the recent investment in schools has resulted in the procurement of sound systems for many sites.

Baldwin Boxall's VIGIL2 EVAS (for voice alarm) or Mitre (for public address) ranges provide solutions for all kinds of educational building(s).

Typically a university campus will consist of several buildings, each with its own PA/VA needs - each system operating independently. Overall (priority) control can be provided by linking the systems together as a network to one central control point.

The VIGIL2 product range provides the solution for this type of system. Additionally, a digital network option is available by using the BVRDNET products which facilitate the use of fibre, copper or a combination of both.

Often required in a school environment is the 'class change' bell at set timed intervals - easily achieved with a Baldwin Boxall system.

In addition to VA/PA, an increasing number of educational sites - universities in particular - are installing disabled refuge systems. This may be partly due to the introduction of the DDA (ensuring all persons have equal access) and also to BS9999 (highlighting risk assessment and means of escape). In addition there is a need to install an alarm (or call for assistance system) for each new disabled toilet cubicle (BS8300).

VIGIL OmniCare provides the total solution - enabling disabled refuge and disabled toilet alarms (DRS) to be connected to one control panel. Also, this system enables fire telephones (FTS), emergency telephones and a unique combined outstation (DRS and FTS) to be wired on the same system.

Application requirements:

- Fire alarm linked voice alarm system.
- Zonal public address system.
- Voice alarm microphone.
- Public address microphones.
- Ambient noise sensing.
- Zonal public address systems.
- Timed lesson bell/sounder.
- Pre-recorded messages.
- Multi-lingual digital messaging.
- De-centralised or centralised system.
- Digital network.
- Battery backup and full monitoring.
- Disabled refuge area communication.
- Disabled toilet alarms.

Operational benefits:

- Provision of clear and precise instructions in the event of an emergency.
- Zonal/'all call' facility for phased evacuation.
- Selectable emergency/alert alarm tones.
- Routing to selected loudspeaker zones.
- Central monitoring of all disabled toilet alarms.
- Ability to page to staff areas only.

VIGIL BVRD2M4:

The VIGIL BVRD2M4 EVAS DSP-controlled router provides the ideal solution for the education environment.

Individual buildings are equipped with a full range of public address and voice alarm facilities.

Linking the independent voice alarm systems to form part of a larger VIGIL EVAS voice alarm system, enables central control and the ability to override the entire network in an emergency situation. Up to 126 units can be networked in this manner, using fibre, copper or VOIP.

In common with all Baldwin Boxall voice alarm products, the unit has been designed with all current and anticipated future voice alarm standards in mind. Including BS5839 part 8, EN60849 and EN54 part 16, allowing you to specify with confidence in this rapidly evolving industry.



Services offered:

- Total sound solutions.
- Site survey.
- System build.
- Factory acceptance testing.
- Project management services.
- Commissioning.
- System maintenance contracts.
- After sales technical support.

Education projects:

Some of the education sites protected by Baldwin Boxall's VIGIL life safety systems:

- London Southbank University.
- Teddington School.
- Hogeschool, Holland.
- Waingels College, Wokingham.
- Trenmough Campus, Falmouth.
- Westminster School.
- Portlaoise School, Eire.
- Garth Hill School.
- University of Bangor.
- Northfleet School for girls.



Typical equipment list

Networked voice alarm system:

BVRD32	32 zone voice alarm controller
BDM404	4 zone paging desk microphone
BVRD2M & BVRD2MS	VIGIL2 EVAS DSP-controlled router and slave
BVRD2M4	VIGIL2 mini EVAS DSP-controlled router
BV220/120D/050Q	Class D 220, dual 120 & quad 50 Watt amplifiers
BVRAMB	Ambient noise sensing microphone
BVSMP	Switch mode power supply
BELI units	End of line units (to monitor loudspeaker lines)

Disabled refuge/toilet alarm system:

BVOC32M	32-way control panel
BVOC96M	96-way control panel
BVOCAF	Green advance disabled refuge remote
BVOCDTA	Disabled toilet alarm kit

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