



ARCHEAN TECHNOLOGIES

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BVRAMB

Ambient noise sensing microphone EN54-16

EN54-16

MADE IN 

5 years warranty

- When designing a voice alarm system for areas of variable levels of ambient noise, which could cause problems with audibility, noise sensor(s) should be included. Correctly placed ambient noise sensors will ensure that all announcements are clearly heard.
- The BVRAMB monitors the ambient noise in a given area, it automatically adjusts the power of the amplifiers, depending on noise level
- When the sound of an area is at the lowest, the broadcast level will reduce, if the sound of an area is at the loudest, the broadcast level will increase.
- Band pass filtering ensures that the system only responds to ambient noise affecting the intelligibility of announcements
- Used in conjunction with a BVRDCI (CANBUS interface module) which connects to the VIGIL EVAS routers. Output is used by the BVRDCI module to produce a voltage that is proportional to the ambient noise
- Uses a dynamic microphone capsule, the output of which is amplified and converted to produce a variable current
- An on-board surveillance tone generator permanently monitors the microphone capsule.



- A system fault will be indicated should the microphone capsule or on-board amplifier fail
- The BVRAMB includes an option to allow one of three response speeds to be selected:
 - SLOW - the system will only respond to an average change of ambient noise.
 - MEDIUM - suitable for most installations.
 - FAST - the system will react to short duration changes in ambient noise.
- Two units can be wired in parallel on the same input to monitor the ambient noise over a larger area
- BVRAMB - version standard BVRAMBIP - version IP65

Maximum number BVRAMB per input

2

BVRD2M attenuator increase / decrease time

For 10dB change

For 20dB change

Fast

2 seconds

4 seconds

Medium

9 seconds

18 seconds

Slow

26 seconds

52 seconds

Output pre-set busy freeze detector

Sensitivity

-48dB

Release

1.6 seconds

Surveillance output with no ambient noise

Minimum 250mV DC

Maximum output

Approx 13V DC

Power requirements

Nominal 24V DC @ 20mA

Dimensions mm

BVRAMB: 141 x 81 x 44

BVRAMBIP: 160 x 100 x 82