

Product Group Level Crossings

Electronic bell type EBA

Many railway crossing are still equipped with electromechanical bells. Such bells require maintenance and may malfunction due to mechanical failures such as corrosion. The electronic bell made by VRS Railway Industry does not have these disadvantages and can handle virtually all power supplies, sounds and weather circumstances.

Your advantages:

Everywhere employable

The bell meets the EN ISO 7731/2008 and is suitable for train, tram and bus crossings and bridge closing systems. VRS Railway Industry's EBA bell features a day/night switch whereby at night, upon a command from the control cabinet, it reduces the sound pressure level by 6 dB(A). This feature offers a big advantage in densely populated urban areas at night.

Your familiar sound

It is extremely important that the bell sound is instantly recognized by road users. Therefore, many customers want to use the 'old' familiar sound again in a new bell. This is no problem; VRS can easily configure the bell with the sound required by you!

Adaptable to each specific location

Each crossing has different characteristics such as a traffic volume and composition, surrounding buildings, background noise etc. In order to create the proper sound pressure level within the warning area, each bell is equipped with dip switches. These switches offer 6 different tuning options for the sound pressure level that can be set locally by the mechanic during installation. The dip switches offer maximum flexibility should characteristics of the crossing change in the future.



Easy to install

The casing of the bell consists of cast aluminium. Therefore, the bell is suitable for all weather conditions, including a tropical climate. The EBA bell has a wide variety of sleeves and mounting brackets for easy installation. A wide range of supply voltages makes the EBA bell an excellent tool to enhance security at existing crossings. Virtually all types of crossings and barrier installations can be equipped with VRS' EBA bell.

Reliable and proven

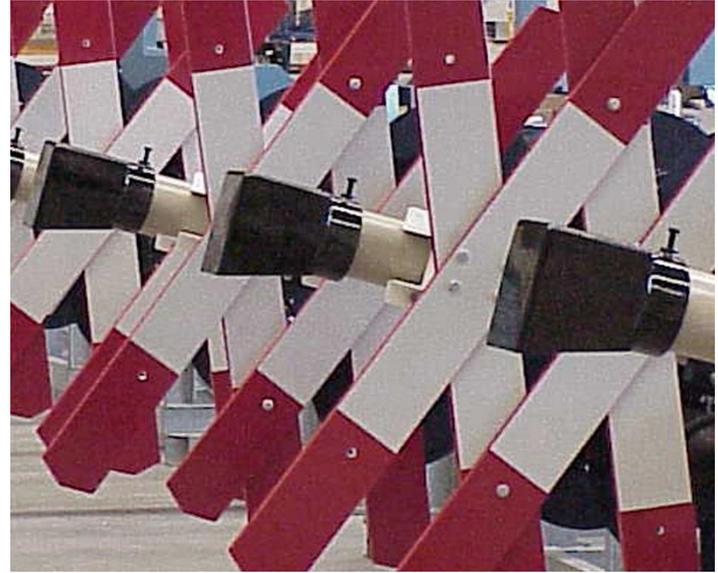
The EBA bell is applied by many infrastructure companies all over the world. Over the past decades, more than 20,000 units have been supplied. It has been designed to operate in harsh railway and naval environments. The EBA bell does not have any moving parts and is maintenance-free.



Technical specifications

Material	: cast aluminium (including sleeve)
Weight	: 5 kg (including sleeve)
Colour	: RAL 9005 (black)
Main dimensions (mm)	: 220 x 190 x 175 (excluding sleeve)
IP-protection	: IP 54 according to EN 60529
IP-class loudspeaker	: IP 67 according to EN 60529
Power supply	: 10-18 Vdc/16-36 Vdc/20-27 Vac/230 Vac Other voltages can be supplied upon request
Power consumption	: ≤ 10 VA
Operating temperature	: -25 °C to +50 °C, in accordance with EN 60721-3-4
Voltage pulse test	: in accordance with EN50121-4 Class A
Insulation value	: 3 kV
Duty cycle	: infinite
Sound	: customized based on customers WAV-file (continuous loop)
Sound pressure level*	: nominal 83 dB(A) with a minimum of 74 dB(A) and a maximum of 92 dB(A), both measured at 2 meter distance perpendicular from the centre of the speaker
Night position*	: -6 dB(A)
Sound characteristics*	: 12 seconds after activation (when e.g. the barriers are closed), the sound pressure level is reduced by 5 dB(A), but never below the minimum level (variable setting)

* +/- 1.5 dB(A)



More information?

For more information about the products and services of VRS Railway Industry, contact our sales department. Our people are happy to help! You can reach us every workday between 8 AM and 5.30 PM at: +31 30 694 3954.

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