



Marine Approved VTB Spatial Sounder/Beacon 24Vdc

The newly introduced range of VTB-32EM Marine Equipment Directive (MED) and American Bureau of Shipping (ABS) Type approved spatial sounder/beacons have been developed, tested and manufactured for use in the Maritime industry. To meet the demands of this harsh operating environment, and to ensure full compatibility with MED and ABS, these sounder/beacons have undergone additional independent EMC, vibration and salt mist testing to ensure they are fit for purpose.

The VTB-32EM spatial sounder/beacons have been designed to operate with marine approved fire alarm control panels and are supplied, as standard, with 32 selectable tones, two of which are the "Marine General Alarm" and the International Marine Organisation (IMO) "Code 2 Continuous" signals. The VTB-32EM also has a beacon-only feature. The devices have a changeover facility, allowing the selection of "Alert" and "Evacuation" tones when installed using three-core cable. The VTB-32EM tones provide the most common sound patterns and frequencies, and both the sounder and beacon are fully synchronised.

Features

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- EMC testing to: IEC 60533 - Electrical and electronic installations in ships
- Environmental testing to: IEC 60092-504 - Installations in ships: Control and instrumentation
- 32 selectable tones
- Industry specific Marine General Alarm tone and IMO Code 2 Continuous signal
- Alert to evacuation changeover via third wire
- Protection rating (EN54-3 approved): Shallow base IP21C, deep base IP33C
- Protection rating (BS EN 60529): Deep based variants IP65
- Designed to work with Marine approved fire alarm systems
- Twist and lock bayonet mounting system
- Lens colour options - Red, Amber, Clear, Blue and Green
- ABS fire retardant plastic

Technical

Voltage rating Vdc	21 - 28
Number of Tones	32
Operating Frequency Hz	440-2900
Temperature rating oC	-20 to +70
Flash rate	1Hz
Monitoring	Reverse polarity
Protection rating	IP21C (shallow) IP33C & IP65 (deep)
Body Colours available	Red or White
Lens colours	Red, Amber, Clear, Blue, Green

Performance

Volume Setting	High	Medium	Low
Sound output, anechoic chamber dB (A)	98	94.3	78.5
Max current consumption @ 24Vdc (mA)	34.4	19.9	10.8
Power consumption @ 24Vdc (mW)	826	478	259

Technical

152-321	VTB spatial sounder/beacon, 24Vdc, 32 tone, red body, red lens, shallow base - EN54-3 and MED approved with ABS type approval
152-338	VTB spatial sounder/beacon, 24Vdc, 32 tone, red body, red lens, deep base - EN54-3 and MED approved with ABS type approval - deep base pre-drilled with 2 holes for cable glands and sealed with grommets. 2 X M20 cable glands supplied loose in box.
152-339	VTB spatial sounder/beacon, 24Vdc, 32 tone, white body, amber lens, deep base - EN54-3 and MED approved with ABS type approval - deep base pre-drilled with 2 holes for cable glands and sealed with grommets. 2 X M20 cable glands supplied loose in box.