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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

Approved to Marine Equipment Directive 2014/90/EU (inc. IEC 60092-504, IEC 60533, EN 54-3).

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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 °C	-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

Part Numbers

511-144	VTB-32EM-SB-RB/RL	VTB-32EM Shallow mounting base Red Body, Red Lens
511-149	VTB-32EM-SB-WB/RL	VTB-32EM Shallow mounting base, White Body, Red Lens
511-145	VTB-32EM-DB-RB/RL	VTB-32EM Deep mounting base Red Body, Red Lens
511-150	VTB-32EM-DB-WB/RL	VTB-32EM Deep mounting base White Body, Red Lens
511-146	VTB-32EM-SB-RB/AL	VTB-32EM Shallow mounting base Red Body, Amber Lens
511-151	VTB-32EM-SB-WB/AL	VTB-32EM Shallow mounting base, White Body, Amber Lens
511-189	VTB-32EM-DB-RB/AL	VTB-32EM Deep mounting base Red Body, Amber Lens
511-152	VTB-32EM-DB-WB/AL	VTB-32EM Deep mounting base White Body, Amber Lens
511-147	VTB-32EM-SB-RB/CL	VTB-32EM Shallow mounting base Red Body, Clear Lens
511-153	VTB-32EM-SB-WB/CL	VTB-32EM Shallow mounting base, White Body, Clear Lens
511-148	VTB-32EM-DB-RB/CL	VTB-32EM Deep mounting base Red Body, Clear Lens
511-154	VTB-32EM-DB-WB/CL	VTB-32EM Deep mounting base White Body, Clear Lens
511-155	VTB-32EM-SB-WB/BL	VTB-32EM Shallow mounting base, White Body, Blue Lens
511-156	VTB-32EM-DB-WB/BL	VTB-32EM Deep mounting base White Body, Blue Lens
511-157	VTB-32EM-SB-WB/GL	VTB-32EM Shallow mounting base, White Body, Green Lens
511-158	VTB-32EM-DB-WB/GL	VTB-32EM Deep mounting base White Body, Green Lens