eurotech®
FIRE SYSTEMS LIMITED

Version 1.1/24

Hochiki Analogue Addressable Base Sounder Beacon - Ivory Case/Red LEDs (YBO-BSB2/RL)

Model YBO-BSB2 is an addressable loop powered Base Sounder with integral Beacon, innovatively designed to give a range of tones and volumes with a maximum output of up to 98 dB(A) (±2 dB(A)) with low current consumption. The unit is designed to fit to the Standard Base (YBN-R/3) or the Isolator Base YBN-R/3(SCI) and can be fitted with any of the ESP Range of Sensors, Beacons or Remote Indicators. The unit can also be converted into a wall sounder beacon with the simple addition of a Cap (SI/CAP2). The sounder is Ingress Protection rated to IP21 and for internal use only. An Auto-Shutdown feature allows the user to set a fixed time within which the sounder or beacon will operate, before automatically shutting down,cutting noise pollution in the case of the sounder element*1. Sounder and Beacon elements can be operated independently from each other*1.

FEATURES

- Single Loop Address - addressed via the TCH-B200 Hand Held Programmer
- Variable Sound Output 50 ~ 98 dB(A) (±2 dB(A)) output at 1 metre
- Sounder and Beacon can operate independently*1
- 0.5 or 1Hz flash frequency*1
- Fits Hochiki Standard or Isolator Base and supports ESP Sensors, Addressable Beacons and Addressable Remote Indicator
- 51 User-Selectable Tones (all tones EN54-3 compatible)
- Auto-Shutdown feature prevents noise-pollution*1
- 'O' Rated Beacon to EN54-23
- Available with Red or White LEDs
- Available with, Ivory, White or Black Case
- SIL Level 2 approved variant available

TECHNICAL SPECIFICATION

Operating Voltage	17 ~ 41 VDC
Low Power Mode (typ)	110 µA
Quiescent Current (typ)	250 µA
Sounding Current (typ)	0.8 mA (50 dB(A) @ 1 m) ~ 16 mA (98 dB(A) @ 1 m)
Additional Current when Beacon active	+ 7 mA
Sound Output (at 1 metre)	50 ~ 98 dB(A) (±2 dB(A)) @ 24 VDC or above (EN54-3 compliant)
Number of Tones	51
Tone Frequency Range	300 Hz ~ 2850 Hz
Operating Temperature Range	-10 °C to +50 °C
Storage Temperature Range	-30 °C to +70 °C
Maximum Humidity	95% RH - Non Condensing (at 40 °C)
Lens Material	Translucent PC
Ingress Protection Rating	IP21
Weight (g)/Dimensions (mm)	160 / H113 x W113 x D43
Base Fixing Centres (mm)	48 ~ 74
Colour / Case Material	Ivory, White or Black / PC+PS+GF5

*1 Panel compatibility dependant
Note: Although the TCH-B 200 Hand Held Programmer will allow addresses between 128 and 255 to be programmed into the YBO-BSB2, addresses 1 to 127 ONLY should be used.

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