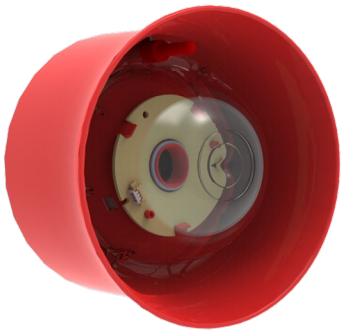
ESP VAD Intelligent

CHQ-WSB2

Intelligent (Analogue Addressable) Wall Sounder Beacon

Features

- Auto-Shutdown feature prevents noise pollution*1
- Sounder and Beacon can operated independently*1
- Fits Hochiki Standard or Isolator Base
- 51 User-Selectable Tones (all tones EN54-3 approved)
- Single Loop Address - addressed via the TCH-B200 Hand Held Programmer
- Variable Sound Output 90 ~ 102 dB(A) (±2 dB(A)) output at 1 metre
- 0.5 or 1Hz flash frequency*1
- High Intensity LED technology
- Fits Hochiki Standard or Isolator Base
- O' Rated Beacon to EN54-23
- Available with Red or White LEDs
- Available with Red or White case
- Weatherproof Kit available
- SIL Level 2 approved variant available



Description

Model CHQ-WSB2 is an addressable loop powered Wall Sounder Beacon innovatively designed to provide a range of tones and volumes with a maximum output of up to 102dB(A) (±2dB(A)) with low current consumption.

The unit features an integral beacon within the horn utilising high intensity LED technology and is designed to fit to the Standard Base (CHQ-WPK) & YBOR/SCI(WHT)) or the Isolator Base (YBO-R/SCI(RED) & YBO-R/SCI(WHT)). The sounder is IP rated to IP21 for internal use but it can be made weatherproof by utilising the WS2-WPK Weatherproof Kit, which consists of a specialised back box and gasket set.

Also incorporates an auto shutdown mode*1 which allows the user to set a fixed time within which the sounder will operate, before automatically silencing itself, ideal for minimising noise pollution.

Specification

Ordering code	CHQ-WSB2 - Red / CHQ-WSB2(WHT) - White / WSB2-WPK - Weatherproof Kit
Operating voltage	17 ~ 41 VDC
Quiescent current (typical)	150 µA (with YBO-R/3(RED) & YBO-R/3(WHT)) 200 µA (with YBO-R/SCI(RED) & YBO-R/SCI(WHT))
Sounding current (typical)	2 mA (90 dB(A) (±2 dB(A)) @ 1 m) ~ 8 mA (102 dB(A) (±2 dB(A)) @ 1 m)
Additional current when beacon active	+ 7 mA
Sound output (at 1 metre)	90 ~ 102 dB(A) (2± dB(A)) @ 24 VDC or above
Number of tones	51
Tone frequency range	300 ~ 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)
IP Rating	IP21 (IP65 with WS2-WPK)
Base fixing centres (mm)	48 ~ 74
Colour / Case material	Red or White / PC ABS
Lens Material	Tranlucent PC
Weight (g) / Dimensions (mm)	164 / ø 112 x H 67

For further information visit our website.
Hochiki reserves the right to alter the specification of its products from time to time without notice. Although every effort has been made to ensure the accuracy of the information contained in this document it is not warranted or represented by Hochiki to be a complete and up-to-date description. Check online for current version.

CHQ-WSB2

Intelligent (Analogue Addressable) Wall Sounder Beacon

VAD type	Case colour	LED Colour	Product	EN54-23 rating*[3]		
Base Sounder Beacon	Ivory Case	White LEDs	YBO-BSB2/WL	'O' Rated		
		Red LEDs	YBO-BSB2/RL			
	White Case	White LEDs	YBO-BSB2(WHT)/WL			
		Red LEDs	YBO-BSB2(WHT)/RL			
Wall Sounder Beacon	Red Case	White LEDs	CHQ-WSB2/WL			
		Red LEDs	CHQ-WSB2/RL			
	White Case	White LEDs	CHQ-WSB2(WHT)/WL			
		Red LEDs	CHQ-WSB2(WHT)/RL			
				0	1	2
Ceiling Beacon	Ivory Case	Red LEDs	CHQ-CB/RL	C-3-1.5	C-3-8.6	C-3-10
		White LEDs	CHQ-CB/WL	C-3-6.5	C-3-7.9	C-3-10
			CHQ-CB/WL-15	'0'	C-3-11.4	C-3-15.1
	White Case	Red LEDs	CHQ-CB(WHT)/RL	C-3-1.5	C-3-8.6	C-3-10
		White LEDs	CHQ-CB(WHT)/WL	C-3-6.5	C-3-7.9	C-3-10
			CHQ-CB(WHT)/WL-15	'0'	C-3-11.4	C-3-15.1
	Red Case	Red LEDs	CHQ-CB(RED)/RL	C-3-1.5	C-3-8.6	C-3-10
		White LEDs	CHQ-CB(RED)/WL	C-3-6.5	C-3-7.9	C-3-15.1
			CHQ-CB(RED)/WL-15	'0'	C-3-11.4	C-3-15.1
Wall Beacon	Ivory Case	Red LEDs	CHQ-WB/RL	'0'	W-2.4-5	W-2.4-5.5
		White LEDs	CHQ-WB/WL	W-2.4-5	W-2.4-5	W-2.4-5.5
	White Case	Red LEDs	CHQ-WB(WHT)/RL	'0'	W-2.4-5	W-2.4-5.5
		White LEDs	CHQ-WB(WHT)/WL	W-2.4-5	W-2.4-5.5	W-2.4-7
	Red Case	Red LEDs	CHQ-WB(RED)/RL	'0'	W-2.4-5	W-2.4-5.5
		White LEDs	CHQ-WB(RED)/WL	W-2.4-5	W-2.4-5.5	W-2.4-7

For CHQ-CB / WL & RL Default settings is C-3-7.5, for CHQ-CB / WL-15 Default setting is C-3-15
*[3] All ratings are all based on 0.5Hz frequency. *[4] Full 'O' rating data available in our Application Notes (see below).

Current when VAD active

CHQ-CB/ WL + RL and CHQ-WB/ WL + RL	mA	6	12	17
CHQ-CB/ WL-15	mA	6	17	38
CHQ-WSB2 / WL + RL	mA (Beacon Only)		7 (one setting only)	
YBO-BSB2 / WL + RL	mA (Beacon Only)		7 (one setting only)	

Note: Our VAD product codes feature "WL" which means white LEDs and "RL" which means red LEDs

For details of 'O' Rating data for	Ceiling Beacon and Wall Sounders	See	Application Note 131
	Wall Sounder Beacon		Application Note 132
	Base Sounder Beacon		Application Note 133

All application notes are available to download from our website.

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