

# Addressable Loop-Powered Wall Beacon

## CHQ-WB



### Features

- ▶ Loop Powered
- ▶ Single loop address via Hand held programmer
- ▶ High Intensity LED technology
- ▶ 0.5/1 Hz flash frequency
- ▶ Choice of 2 LED colours (red and white)
- ▶ Choice of 3 case colours ( ivory, white and red)
- ▶ Approved to EN54-23:2010 – Category 'W'
- ▶ Selectable light output\*<sup>1</sup>
- ▶ Operating voltage 17-41 vdc
- ▶ PSU Powered option\*<sup>1</sup>

### Description

An addressable loop-powered wall beacon, with a high intensity LED and a custom designed free-form optic which produces a highly visible flash. Coverage includes W-2.4-5, 5.5 + 7\*<sup>2</sup>. The unit is designed to fit the YBN-R/3, YBN-R/3(SCI), YBO-BS or the YBO-R/(SCI), and is available in Red or White LEDs.

### Specification

Ordering Codes	CHQ-WB/WL, CHQ-WB(RED)/WL, CHQ-WB(WHT)/WL, CHQ-WB/RL, CHQ-WB(RED)/RL CHQ-WB(WHT)/RL (see page 2 for further details)
Operating Voltage	17 ~ 41 Vdc
Quiescent Current (typ)	250 uA
Current when Beacon active	See page 2
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)
Colour/Case Material	Red, White or Ivory / PC+ABS
Lens Material	PC
Ingress Protection Rating	Indoor (Type A) IP21 Outdoor (Type B) IP33* <sup>3</sup> (Target IP65)
Weight (g)/Dimensions (mm)	120 g, D100 mm, H41 mm
Base Fixing Centres (mm)	48 ~ 74

\*<sup>1</sup> Panel compatibility dependant \*<sup>2</sup> 0.5Hz flash frequency white LED \*<sup>3</sup> Requires Weatherproof Kit CHQ-WPK

**Note: Although the Hand Held Programmer will allow addresses between 128 and 255 to be programmed into the CHQ-WB, addresses 1 to 127 ONLY should be used.**

## How to choose your Hochiki VAD

Our VAD ratings comprise three parts, **X-Y-Z**

where **X** denotes the category, either "O" for Open, "W" for Wall or "C" for ceiling

where **Y** denotes the maximum mounting height (m)

where **Z** is the width and length (m) of the coverage floor area

For example **W-2.4-5** means the VAD is in the Wall category, can be mounted at a maximum height of 2.4 metres and produces a 5 metre x 5 metre coverage.

What type of VAD?	Which case colour?	Which LED colour?	Product	EN54-23 Ratings*4		
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			
				<b>0</b>	<b>1</b>	<b>2</b>
Ceiling Beacon	Ivory case	Red LEDs	CHQ-CB/RL	0	C-3-7.5	C-3-10
		White LEDs	CHQ-CB/WL	C-3-5	C-3-7.5	C-3-10
	White case		CHQ-CB/WL-15	0	C-3-10	C-3-15
		Red LEDs	CHQ-CB(WHT)/RL	0	C-3-7.5	C-3-10
		White LEDs	CHQ-CB(WHT)/WL	C-3-5	C-3-7.5	C-3-10
		White LEDs	CHQ-CB(WHT)/WL-15	0	C-3-10	C-3-15
	Red case	Red LEDs	CHQ-CB(RED)/RL	0	C-3-7.5	C-3-10
		White LEDs	CHQ-CB(RED)/WL	C-3-5	C-3-7.5	C-3-10
	White LEDs	CHQ-CB(RED)/WL-15	0	C-3-10	C-3-15	
Wall Beacon	Ivory case	White LEDs	CHQ-WB/WL	W-2.4-5	W-2.4-6	W-2.4-7
		Red LEDs	CHQ-WB/RL	0	0	W-2.4-5
	White case	White LEDs	CHQ-WB(WHT)/WL	W-2.4-5	W-2.4-6	W-2.4-7
		Red LEDs	CHQ-WB(WHT)/RL	0	0	W-2.4-5
	Red case	White LEDs	CHQ-WB(RED)/WL	W-2.4-5	W-2.4-6	W-2.4-7
		Red LEDs	CHQ-WB(RED)/RL	0	0	W-2.4-5

\*4 Ratings are all based on 0.5Hz frequency.

### Current when Beacon active

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

For CHQ-CB/WL & RL Default setting is C-3-7.5

For CHQ-CB/WL-15 Default setting is C-3-15

For CHQ-WB/WL Default setting is W-2.4-5-5

For CHQ-WB/RL Default setting is W-2.4-5

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

For details of O Ratings for Ceiling and Wall Beacons please see Application Note **AP131**.

For details of O Rating for Wall Sounder Beacon see Application Note **AP132**.

For details of O Ratings for Base Sounder Beacon please see Application Note **AP133**.

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Hochiki Products	CHQ-WB/WL, CHQ-WB(RED)/WL, CHQ-WB(WHT)/WL					
HFP Products	CHQ-WB(RED)/WL-HFP, CHQ-WB(WHT)/WL-HFP					
HDR Products	1460310, 1460320					
	Nominal Current consumption mA	Power consumption W	Light Coverage distance at 0.5 Hz	Volume m <sup>3</sup>	Light Coverage distance at 1Hz	Volume m <sup>3</sup>
(LOL 0)	6.1	0.25	W-2-4-5	60	Unrated***	N/A
(LOL 1)*	11.6	0.48	W-2-4-5.5	72.6	W-2.4-1	2.4
(LOL 2)	16.8	0.69	W-2.4-7	117.6	W-2.4-5.5	72.6

Hochiki Products	CHQ-WB/WL, CHQ-WB(RED)/RL, CHQ-WB(WHT)/RL					
HFP Products	CHQ-WB(RED)/RL-HFP, CHQ-WB(WHT)/RL-HFP					
HDR Products	1460340, 1460350					
	Nominal Current consumption mA	Power consumption W	Light Coverage distance at 0.5 Hz	Volume m <sup>3</sup>	Light Coverage distance at 1Hz	Volume m <sup>3</sup>
(LOL 0)	6.1	0.25	O-2-3**	18	Unrated***	N/A
(LOL 1)*	11.6	0.48	W-2.4-5	60	W-2.7-1.07	3.09
(LOL 2)	16.8	0.69	W-2.4-5.5	76.6	W-2.4-4	38.4

\* For CHQ-WB/WL and CHQ-WB/RL the default factory setting is LOL1, 0.5Hz.

\*\* Light coverage defined as per standard W-rating but with a height of 2m.

\*\*\* No rating declared, only to be used for non-EN54-23 supplementary indication in this mode.

**Note: The light output level of these devices is set by the control panel, control panel compatibility is therefore required.**