Hochiki Addressable Beacon Installation Instructions

Product Covered: **CHQ-CB/WL, CHQ-CB(RED)/WL, CHQ-CB(WHT)/WL, CHQ-CB/WL-15, CHQ-CB(RED)/WL-15, CHQ-CB(WHT)/WL-15, CHQ-CB/RL, CHQ-CB(RED)/RL, CHQ-CB(WHT)/RL**

Introduction

The CHQ-CB is fully backwards compatible with the CHQ-AB, although its default setting is to flash once every other second (0.5Hz). The following settings are controllable through the CIE[1]

1. Flash rate 0.5Hz, 1Hz
2. Light output level (3 settings)
3. Loop Power or External Power

NOTE: For further details of coverage volume and voltage, current and power consumption please see application note AP131.

Factory Default Settings

CHQ-CB/WL	C-3-7.5 (0.5Hz)
CHQ-CB/RL	C-3-7.5 (0.5Hz)
CHQ-CB/WL-15	C-3-15 (0.5Hz)

Factory default is Loop Powered

For information on essential characteristics please refer to the relevant Declaration of Performance available at www.hochikieurope.com

IP Ratings

TYPE A (indoor) IP21
TYPE B (outdoor) IP33[2]

Caution

The addressable beacon and base combination should be installed to the following guidelines:

- ❑ Ensure the Addressable Ceiling Beacon and Base are installed in accordance with Local Standards or Regulations.
- ❑ Addressable Ceiling Beacon and Base combinations should only be installed where ambient temperatures are between -10°C to +50°C and where the condensation and moisture levels are between 10% to 95% RH - Non condensing (at 40°C).
- ❑ Only install in suitable environments, the following should be avoided:
    - ❑ Situations in which condensation exists (unless WS2-WPK is utilised).
    - ❑ Situations in which corrosive gases exist.
    - ❑ Situations in which obstacles exist, which could impede visual indication of the Addressable Beacon.
    - ❑ Hazardous areas.
- ❑ Only use the specified Hochiki mounting bases (or WS2-WPK Weather Proofing Kit) with this ceiling beacon.
- ❑ Do not use a high voltage tester on the Addressable Beacon, the YBO-R/SCI Isolator Base, the YBN-R/3(SCI) Isolator Base and the YBO-BS Base Sounder.

Certain actions can cause permanent damage to the Addressable Beacon. If the Beacon is subjected to any of the following it should not be used:

- ❑ Dis-assembly and re-assembly.
- ❑ Impact or shock.

If damage is suspected after a fire has occurred, the Addressable Beacon should be replaced. After installation, all Addressable Ceiling Beacons on the fire alarm system should be tested to confirm correct operation. Installation and maintenance should only be carried out by suitably trained engineers.

The Addressable Ceiling Beacon must be subject to periodic maintenance during regular service visits. This period should be outlined in the appropriate standards or recommendations. If there are no such standards existing, Hochiki recommend that the minimum period of maintenance should be 1 year and that the following should be taken into account:

- ❑ A regular operation test should be performed.
- ❑ A visual check for contamination and mechanical damage should be made.

[1]Panel compatibility required.

*[2] Dependent on the utilisation of the WS2-WPK Weather Proofing Kit.

Setting the Address

The CHQ-CB must have its address set before system operation. Using an installation plan that shows the proper location for each device, find the address for the CHQ-CB to be installed. Check that the address and location on the plan match correctly. Address is any number from 1 to 127. For address setting, use the Hochiki TCH-B100 Hand Held Programmer and write the address number on the beacon after setting. When address changing, renew the number on the label. See the TCH-B100 instructions (2-3-0-237) for further details of the setting method.

Wiring and Locking Mechanism

The bases used with the beacon should be wired as shown in Fig 2 below. The CHQ-CB can also be locked onto the relevant base by removing a plastic lug on the underside of the beacon, please refer to Fig 1. The beacon can only then be removed by using a special Removal Tool (TSC-SRT) which is available from Hochiki Europe (UK) Ltd.
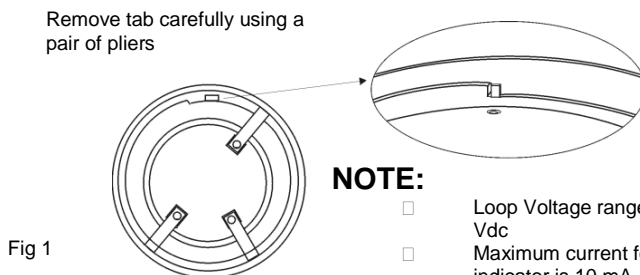
Remove tab carefully using a pair of pliers

Fig 1

NOTE: For further details of external power requirements please see application note AP131
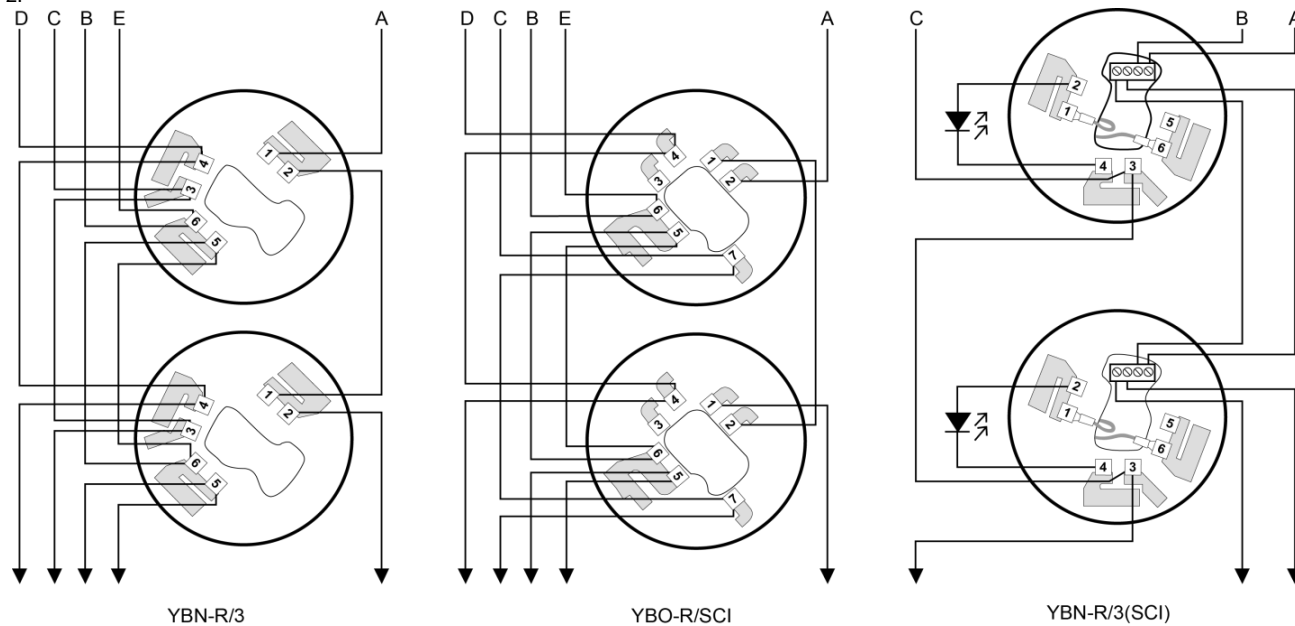
NOTE:

- Loop Voltage range 17 – 41 Vdc
- Maximum current for remote indicator is 10 mA.
- Base fixing centres are 48 mm to 74 mm
- Maximum wire thickness is 2.5 mm^2/terminal
- If external power is used it must be 20-28 Vdc
- If external power is used, remote indicator is not available

A: Loop (+) **B**: Loop (-) **C**: Cable Screen **D**: EXT Power+ (if used) **E**: EXT Power- (if used)

Fig 2.

YBN-R/3

YBO-R/SCI

YBN-R/3(SCI)
This wiring example does not show power connected

CHQ-CB/WL CHQ-CB(WHT)/WL CHQ-CB(RED)/WL CHQ-CB(WHT)/WL-HFP CHQ-CB(RED)/WL-HFP	0832-CPR-F0560/14	14	EN54-23
CHQ-CB/WL-15 CHQ-CB(WHT)/WL-15 CHQ-CB(RED)/WL-15 CHQ-CB(WHT)/WL-15-HFP CHQ-CB(RED)/WL-15-HFP	0832-CPR-F0559/14	14	EN54-23
CHQ-CB/RL CHQ-CB(WHT)/RL CHQ-CB(RED)/RL CHQ-CB(WHT)/RL-HFP CHQ-CB(RED)/RL-HFP	0832-CPR-F0561/14	14	EN54-23

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