

# HOCHIKI ADDRESSABLE BEACON INSTALLATION INSTRUCTIONS



**Product Covered: CHQ-AB(RED), CHQ-AB(AMB), CHQ-AB(BLU)**

## Introduction

The CHQ-AB is an addressable beacon, which is fully compatible with Hochiki's ESP (Enhanced Systems Protocol) range of devices. It is also compatible with the existing range of Analogue bases such as the electronics-free Common Mounting Base (YBN-R/3), the Base Sounder (YBO-BS) and the Short Circuit Isolator Base (YBO-R/SCI). The CHQ-AB features a Fresnel lens with a high-intensity light source which will flash typically once per second when operated, although this flash rate may be different and is dependant on the control panel. Note that these products are for indoor use only.

Follow the guidelines below before installation and maintenance. Hochiki cannot guarantee the beacon's performance if these guidelines are not followed.

## Caution

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

- ❑ Ensure the Addressable Beacon and Base are installed in accordance with Local Standards or Regulations.
- ❑ Addressable Beacon and Base combinations should only be installed where ambient temperatures are between  $-10^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  and where the condensation and moisture levels are between 10% to 95% RH - Non condensing (at  $40^{\circ}\text{C}$ ).
- ❑ Only install in suitable environments, the following should be avoided:
  - ❑ Situations in which condensation exists.
  - ❑ Situations in which corrosive gases exist.
  - ❑ Situations in which obstacles exist, which could impede visual indication of the Addressable Beacon.
  - ❑ Hazardous areas.
- ❑ Do not use a high voltage tester on the Addressable Beacon, the YBO-R/SCI Isolator Base or 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:

- ❑ Disassembly 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 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 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.

## Setting the Address

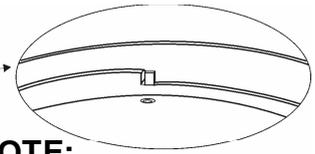
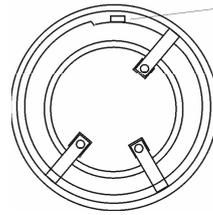
The CHQ-AB must have its address set before system operation. Using an installation plan that shows the proper location for each device, find the address for the CHQ-AB to be installed. Check that the address and location on the plan match correctly. Address is any number from 1 to 127. For address setting, 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-AB 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-A100/ALG) which is available from Hochiki Europe (UK) Ltd.

Remove tab carefully using a pair of pliers



### NOTE:

- Maximum current for remote indicator is 10mA.
- Base fixing centres are 48mm to 74mm
- Maximum wire thickness is 2.5mm<sup>2</sup>/terminal

Fig 1

A: Loop (+) B: Loop (-) C: Cable Screen

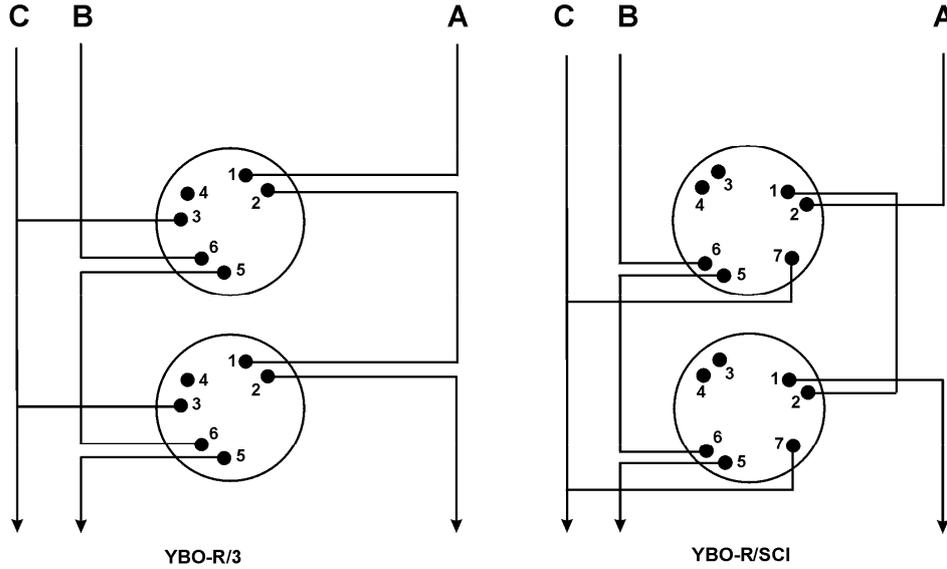
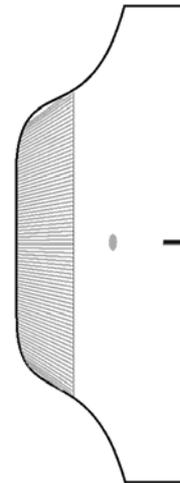
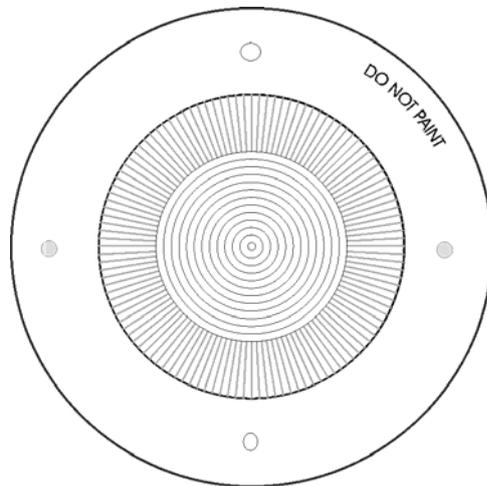


Fig 2



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