

HOCHIKI ADDRESSABLE REMOTE INDICATOR INSTALLATION INSTRUCTIONS



Products Covered : CHQ-ARI(CLR)

Introduction

The CHQ-ARI(CLR) is an Addressable Remote Indicator 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 (CHQ-BS) and the Short Circuit Isolator Base (YBO-R/SCI). The CHQ-ARI(CLR) features a transparent lens with a high-intensity red light source.

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

Caution

The Addressable Remote Indicator and base combination should be installed to the following guidelines:

- ❑ Ensure the Addressable Remote Indicator and base are installed in accordance with Local Standards or Regulations.
- ❑ Addressable Remote Indicator 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.
 - ❑ Situations in which corrosive gases exist.
 - ❑ Situations in which obstacles exist, which could impede visual indication of the Addressable Remote Indicator.
 - ❑ Hazardous areas.
- ❑ Do not use a high voltage tester on the Addressable Remote Indicator, the YBO-R/SCI Isolator Base or the CHQ-BS Base Sounder.

Certain actions can cause permanent damage to the Addressable Remote Indicator. If the Addressable Remote Indicator 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 Remote Indicator should be replaced. After installation, all Addressable Remote Indicators 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 Remote Indicator 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-ARI(CLR) 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-ARI(CLR) 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 Addressable Remote Indicator 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 Addressable Remote Indicator should be wired as shown in Fig 2 below. The CHQ-ARI(CLR) can also be locked onto the relevant base by removing a plastic lug on the underside of the remote indicator, please refer to Fig 1. The Addressable Remote Indicator 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

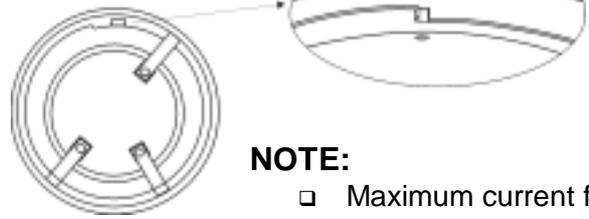


Fig 1

NOTE:

- Maximum current for remote indicator is 10mA.
- Base fixing centres are 48mm to 74mm
- Maximum wire thickness is 2.5mm²/terminal

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

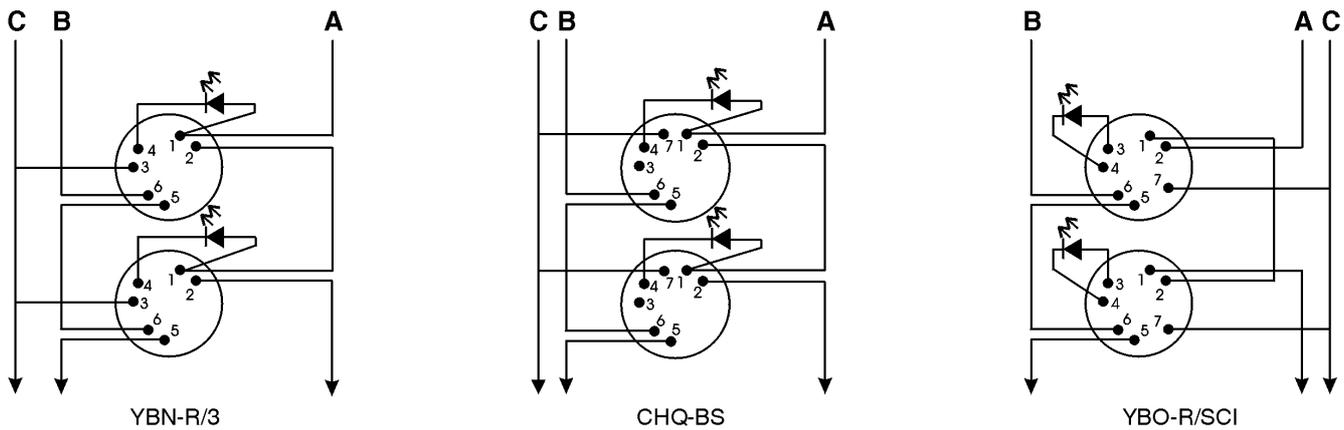
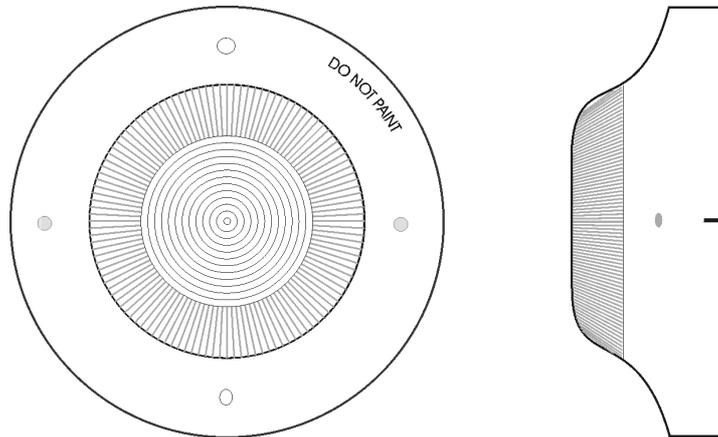


Fig 2

Remote Indicator



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