

## **INSTALLATION INSTRUCTIONS FOR HOCHIKI HEAT DETECTOR TYPE:DCD, DFJ**

### **INTRODUCTION**

#### **Combined Type Heat Detector :**

<b>DCD- 1E</b> (EN- 54- 5 Grade 1)	<b>DCD- A</b> (AS ISO7240.5 Class A1R)	<b>DCD- 2C</b> (GB- 4716- 93 Grade 2)
<b>DCD- 2E</b> (EN- 54- 5 Grade 2)	<b>DCD- C</b> (AS ISO7240.5 Class CR)	<b>DCD- 3C</b> (GB- 4716- 93 Grade 3)
<b>DCD- R1E</b> (EN- 54- 8 Range1)	<b>DCD- 135</b> (UL- 521 Ordinary)	
<b>DCD- 1EF</b> (NF S61- 950 Grade 1)	<b>DCD- 190</b> (UL- 521 Intermediate)	

#### **Fixed- Temperature Heat Detector :**

<b>DFJ- 60E</b> (EN- 54- 5 Grade 2)	<b>DFJ- 60B</b> (AS ISO7240.5 ClassA1S)	<b>DFJ- 60C</b> (GB- 4716- 93 Grade 2)
<b>DFJ- 90E</b> (EN- 54- 8 Range1)	<b>DFJ- 90D</b> (AS ISO7240.5 Class CS)	<b>DFJ- 70C</b> (GB- 4716- 93 Grade 3)

**Base : YBN- R/4, YBN- R/4A, YBN- R/4B, YBN- R/4C, YBO- R/4A, YBO- R/5 series**

**NOTE : These detectors are NOT compatible with bases**

**YBC(except YBC- R/3) , YBF, YBK, YCA, AMU- B2 and AMU- MB**

**Other combinations of detector and base are also possible.**

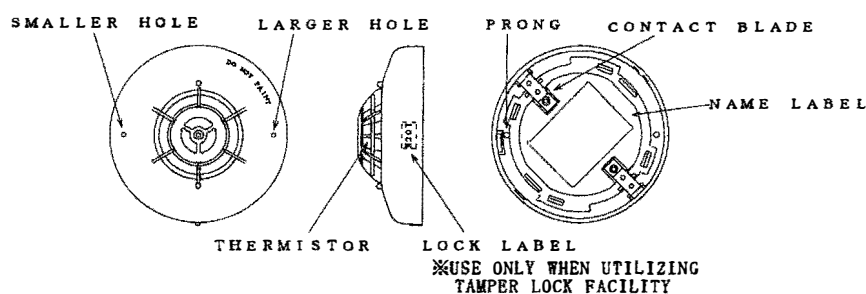
**Please confirm with Hochiki or the appointed sales agent.**

**Ensure that the following items are observed before installation and maintenance. Hochiki cannot warrant a detector's performance if such items are neglected.**

### **CAUTION**

- This detector is used to detect conditions and changes in temperature and cannot detect smoke or other phenomena.**
- This detector cannot be used to prevent FIRE itself, it is only intended to detect a certain characteristic of fire.**
- When installing this detector, ensure that the location of each detector has been planned in accordance with appropriate local and National fire regulations or recommendations.**
- These detectors are suitable for IN DOOR USE ONLY.**
- The detector shall not be installed in the following environmental conditions:**
  - Situations in which condensation exists.
  - Situations in which corrosive gases exist.
  - Situations in which dust or steam exist.
  - Situations in which obstacles exist, which could impede airflow to the detector.
- Certain actions can cause permanent damage to the detector and therefore if the detector is subjected to any of the following actions it should not be used :**
  - Disassembly and reassembly.
  - Impact or shock.
  - Touching the thermistor of the detector (the thermistor is black and located in the centre of the detector) .
- The detector is expected to be used to detect only one real fire situation and could suffer damage during a fire condition. It should therefore be replaced if damaged during a fire or at any other time.**
- After installation, all detectors on the fire alarm system should be tested to verify correct operation.**
- Installation and maintenance should only be carried out by suitably trained personnel.**
- The detector must be subject to periodic maintenance during regular service visits, which should be as recommended by appropriate local and National Standards or recommendations. In the event of no such Standards existing, Hochiki recommend that the minimum period of maintenance should be 1 year and that the following items should be taken into account :**
  - In case where there is an excess build-up of dust on the thermistor, the sensitivity of the detector could be affected.
  - A regular operational test should be performed.
  - A visual check for staining and mechanical damage.
- Detector operation should not be verified by the use of a naked flame or open fire. Operation should only be checked by equipment that is capable of exceeding the required detection threshold by small amount, sufficient to guarantee a fire signal is produced by the detector.**

## EXTERNAL VIEW

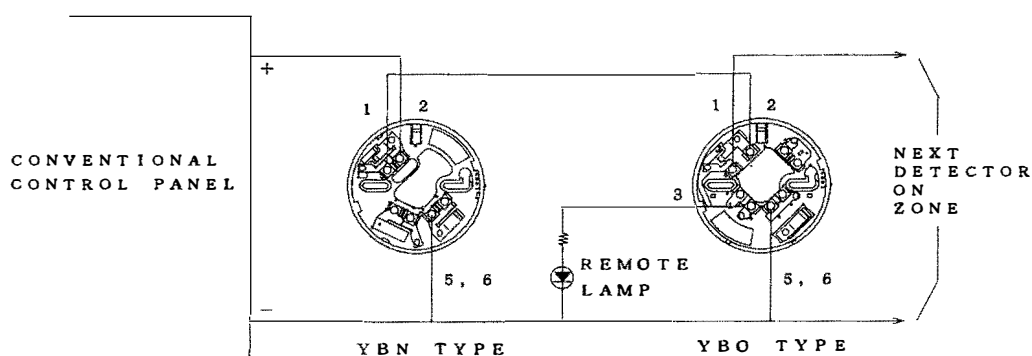


[Fig.1]

## WIRING

The wiring diagram for the detector base should be made as shown in Fig.2

### [STANDARD CONFIGURATIONS]



[Fig.2]

## HOW TO USE DETECTOR HEAD REMOVER

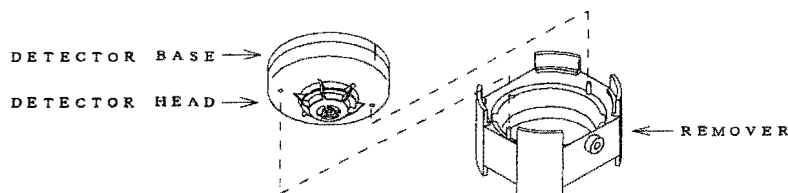
1. In case of detector head mounting to the base.
  - a) Fit and insert the 2 push rods of the remover to the holes on the detector.
  - b) Gently push the remover with detector to the detector base and twist clockwise for secure fitting of the detector head and base.
2. In case of detector removal from the base.
  - a) Fit and insert the 2 push rods of the remover to the holes on the detector.
  - b) Twist counterclockwise for removal of the detector head from the base.

## HOW TO USE THE TAMPER LOCK OF THE DETECTOR

1. Remove prong located back side of the detector and put the **LOCK** label on the side of the detector. ( The label is packed together with the detector. )
2. Mount the detector to the base bringing alignment marks on the detector and base into line for secure tamper locking.
3. Tamper locked detector can be removed from the base by the detector remover which has a mechanism to release the tamper lock.

## HOW TO REMOVE THE TAMPER LOCKED DETECTOR

1. Fit and insert the larger and smaller push rods of the remover for tamper lock releasing to the holes on the detector. Larger hole is located by the indication of " **DO NOT PAINT** " on the detector.
2. Push the remover towards detector to release the tamper lock and twist counterclockwise to remove the detector head from the base.



[Fig.3]