

# APPLICATION NOTE

**Document Type** Application Note

**Document Title** CDX Range of Smoke and Heat Detectors

**Date** November 1999

**Version** DSO209/Iss 2

# CDX RANGE OF SMOKE & HEAT DETECTORS APPLICATION NOTE

The new range of CDX detectors have many new features that assist the user/installer. The new CDX Photoelectric detector has a flat response that in many cases removes the need to use ionisation detectors. The CDX range consists of the following detectors:-

| PART NUMBER   | DESCRIPTION                      |
|---------------|----------------------------------|
| SLR-E         | Optical smoke detector           |
| SIJ-E         | Ionisation smoke detector        |
| DCD-1E,2E,R1E | Rate of rise heat detectors      |
| DFJ-60E,90E   | Fixed temperature heat detectors |

## FIRE INDICATION

The new CDX detectors have twin fire indication LED's on the head, which allows 360 degree visual alarm indication. This makes installation much simpler as the installer does not need to set the orientation of the CDX bases.

## CDX BASES

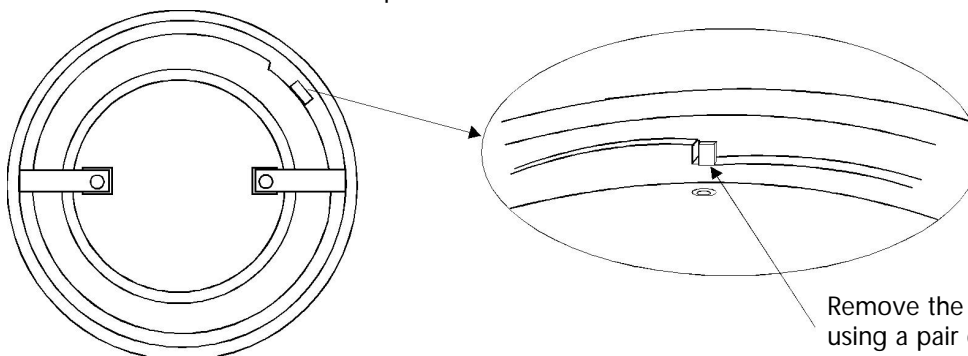
Please find below the range of new CDX bases ;

| BASE TYPE | BASE DESCRIPTION   |
|-----------|--|
| YBN-R/4   | Electronics free base without remote LED                         |
| YBN-R/4SK | Electronics free base with schottky diode but without remote LED |
| YBO-R/5   | Standard base with remote LED                                    |
| YBO-R/5SK | Standard base with schottky diode and remote LED                 |
| YBO-R/5ZD | Standard base with zener diode and remote LED                    |
| YBO-R/5PA | Sav-wire base with remote LED                                    |

**Please note that the CDX range of detectors will not work on the CD range of bases and the CD range of detectors will not work on the CDX range of bases.**

## HEAD LOCKING MECHANISM

The CDX range of detectors and bases have a head to base locking mechanism which is implemented by removing a tab from the detector, **once this tab is removed the detector will always lock onto the CDX base it is fitted to**. The locked head can then be removed with a head removal tool (TSC-A100/ALG) which can be mounted on the end of a pole.



Remove the above tab carefully using a pair of pliers to lock the head onto a base.

## COMPATABILITY WITH ADDRESSABLE AND MASTER BASES

The CDX range of detectors will work on Hochiki ESP and HRE addressable and master bases. Please see table below :-

| Head | Base Type  | Slave Base Type      | Fire indicated | Head LED's illuminated | Base LED illuminated |
|------|------------|----------------------|----------------|------------------------|----------------------|
| CDX  | YCA-RL/3H2 | N/A                  | YES            | NO                     | YES                  |
| CDX  | YCA-RL/5H2 | YBF-RL/4H5 + CD Head | YES            | N/A                    | YES                  |
|      |            | YBN-R/4 + CDX Head   | YES            | YES                    | N/A                  |
|      |            | YBO-R/5 + CDX Head   | YES            | YES                    | N/A                  |
| CDX  | AMU-B2     | N/A                  | YES            | NO                     | YES                  |
| CDX  | AMU-MB     | YBF-RL/3J + CD Head  | YES            | N/A                    | YES                  |
|      |            | YBF-RL/3J + CDX Head | YES            | NO                     | YES                  |



**Hochiki Europe (UK) Ltd**  
**Grosvenor Road, Gillingham Business Park,**  
**Gillingham, Kent, ME8 0SA, England**  
**Telephone: +44(0)1634 260133 Facsimile: +44(0)1634 260132**  
**Email: [sales@hochikieurope.com](mailto:sales@hochikieurope.com)**  
**Web: [www.hochikieurope.com](http://www.hochikieurope.com)**

Hochiki Europe (UK) Ltd. reserves the right to alter the specification of its products from time to time without notice. Although every effort has been made to ensure the accuracy of the information contained within this document it is not warranted or represented by Hochiki Europe (UK) Ltd. to be a complete and up-to-date description. Please check our web site for the latest version of this document.