

# CDXconventional SOC-E3N

## Conventional Photoelectric Smoke Detector

### Features

- ▶ Removable, High Performance chamber
- ▶ Automatic Sensitivity Window Verification (ASWW) – Drift Compensation Technology
- ▶ Remote Indicator output
- ▶ Wide voltage range (12 ~ 30 V dc)
- ▶ Low profile design with one piece outer cover
- ▶ Single fire LED - 360° viewing
- ▶ Range of mounting bases
- ▶ Approved by LPCB.



### Description

The SOC-E3N is a Photoelectric Smoke Detector, which is fully compatible with the majority of existing Conventional systems. The SOC-E3N incorporates Hochiki's unique High Performance photoelectric smoke chamber removing the need to use Ionisation Detectors in the majority of applications.

'ASWW' Drift Compensation technology is incorporated to ensure the Detector is operating at its optimum sensitivity and therefore reducing potential false alarms. If the contamination limit is exceeded then the integral red LED will flash once every three seconds to give a visual warning. The smoke chamber is easily removed or replaced for cleaning and utilises a unique baffle design which allows smoke to enter the chamber whilst keeping out ambient light.

### Specification

|                              |                                                                                                |
|------------------------------|------------------------------------------------------------------------------------------------|
| Ordering codes               | SOC-E3N - Ivory / SOC-E3N(WHT) - White / SOC-E3N(BLK) - Black<br>SLV/ALK - Replacement chamber |
| Operating voltage            | 12 – 30 VDC                                                                                    |
| Quiescent current (typical)  | 35 $\mu$ A                                                                                     |
| Maximum current alarm        | 40 mA                                                                                          |
| Remote indicator drive       | 20 mA (max)                                                                                    |
| Operating Temperature Range  | -10 °C to +50 °C                                                                               |
| Storage Temperature Range    | -30 °C to +60 °C                                                                               |
| Maximum humidity             | 95% RH - Non-condensing (at 40°C)                                                              |
| IP rating                    | IP42                                                                                           |
| Colour / Case material       | Ivory, White or Black / ABS                                                                    |
| Compatible bases             | YBN-R/6, YBN-R/6SK, YBO-R/6R, YBO-R/6RS, YBO-R/6RN, YBO-R/6PA                                  |
| Base fixing centres (mm)     | 48 ~ 74                                                                                        |
| Weight (g) / Dimensions (mm) | 95 (excluding base) / $\varnothing$ 100 x H 38                                                 |
| Approvals                    | LPCB EN54: Part 7                                                                              |