

SS-2LL-10HCB RESIDENTIAL SMOKE DETECTOR



STANDARD FEATURES

- Quick reliable detection of fire induced smoke
- Long battery life of up to 10 years
- Easy to install
- Built-in fire test feature with a simple click of a button
- Built-in Buzzer
- Built-in alarm LED
- Non-directional smoke chamber

SPECIFICATIONS

Operating Source	3 V lithium battery (Included)
Rating	3 V 15mA
Battery Life	Approximately 10 years
Sound Pressure Level	70dB
Operating Temperature	32°F (0°C) ~ 104°F (40°C)
Dimensions	100mm x 100mm x 43mm
Color	Bone
Weight	120g

APPLICATION

The HOCHIKI America SS-2LL-10HCB Battery Powered Photoelectric Smoke Detector is particularly suited to detecting optically dense smoke typical of fires involving materials such as soft furnishings, plastic, foam or other similar materials which tend to smolder and produce large visible smoke particles. Hochiki's unique design allows fast response to flaming fires as well as smoldering fires.

OPERATION

The detection chamber consists of a light emitting diode (LED) and photodiode arrangement. The chamber is designed such that light emitted by the LED cannot normally reach the photodiode. In the event of fire, particles of smoke enter the chamber and scatter the light. As the smoke level increases, the scattering effect increases, causing more light to hit the photodiode. The chamber contains a unique baffle design which allows smoke to enter the chamber while preventing external light from affecting the photodiode. The photodiode input level is sampled to sense smoke density.

When the smoke density exceeds a preset threshold the sensor indicates a fire condition by means of built-in buzzer and Alarm LED.

ENGINEERING SPECIFICATIONS

The contractor shall furnish and install where indicated on the residential building plans, battery powered photoelectric detector HOCHIKI America Model SS-2LL-10HCB.