

# MARINE ALN-ENM

## Marine Approved Analogue Optical Smoke Sensor

Your Safety, Our Technology

### Features

- ▶ Approved to MED by GL
- ▶ SIL Level 2 approved variant available
- ▶ Removable, High Performance chamber
- ▶ Twin LEDs allow 360° viewing – green when polling, red in fire
- ▶ Locking mechanism (sensor to base)
- ▶ Variable sensitivity
- ▶ Electronically addressed
- ▶ Pulsing/non-pulsing controlled from panel\*<sup>1</sup>
- ▶ Approved by LPCB & VdS



### Description

Model ALN-ENM is a Marine Approved Photoelectric Smoke Sensor, which is fully compatible with Hochiki's ESP Analogue Addressable Protocol.

The ALN-ENM incorporates Hochiki's newest High Performance Chamber Technology removing the need to use Ionisation Smoke Sensors in the majority of applications. This also allows the sensor threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms.

The ALN-ENM smoke chamber is easily removed or replaced for cleaning and utilises a unique improved baffle design which allows smoke to enter the chamber whilst keeping out ambient light.

### Specification

Operating Voltage	17 – 41 VDC
Low Power Mode (typ)	120 $\mu$ A
Quiescent Current (typ)	400 $\mu$ A
Alarm Current (controlled by CIE)	9.1 mA (excluding remote indicator)
Transmission Method	Digital Communications Using ESP
Operating Temperature Range	-10 °C to + 50 °C
Operating Humidity	95% RH - Non Condensing (at 40 °C)
Sensitivity Levels	2%/m to 4.5%/m
Storage Temperature Range	-30 °C to +60 °C
Storage Humidity	<80% RH at 70 °C
Colour / Case Material	Ivory/ABS
Weight (g)	95
Diameter (mm) / Height (mm)	100 / 45
Base Fixing Centres (mm)	48 ~ 74
Compatible Bases	YBO-BS, YBO-BSB2, YBN-R/3(SCI)

\*Control Panel compatibility required

### Ordering Codes

#### Product

Analogue Optical Smoke Sensor

#### Part Number

ALN-ENM

### Listings / Approvals

