

DATASHEET

WIRELESS (LIBRA) DUAL OPTICAL SMOKE DETECTOR

L-OP-SG

The L-OP-SG wireless dual optical smoke detector is a fully intelligent device and compatible with all Libra wireless Translator and Expander modules. The detector is designed for open area protection and utilises dual-path optical smoke detection technologies and algorithms for improved performance, whilst maintaining the high levels of unwanted alarm rejection. Utilising well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved. An in-built magnet test allows easy activation to verify correct functionality and response.



KEY FEATURES

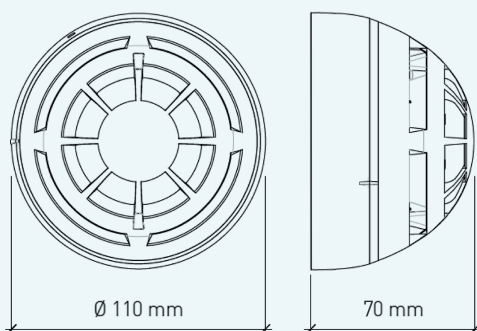
- Advanced dual-path optical chamber design
- Internal algorithm processing optimises performance
- 3rd party approved
- 8 year battery life
- Utilises standard low cost lithium battery technology
- Bi-directional wireless communications
- Compatible with all Libra translators and Expanders
- Colour options available
- 5 year product warranty
- Device identification tab
- Dual angle scattering analysis
- Fast test feature for engineer testing

TECHNICAL SPECIFICATION

Operating frequency range	868 – 870 MHz
Max radiated power	14 dBm (25mW)
Operating frequency channels	7
Communications range (in open space)	<200m
Dimensions	110mm x 70mm
Batteries	2 x CR123A
Temperature Range (no icing)	-10°C to +55°C *
Max tolerated humidity (non condensing)	95% RH
IP Rating	40

*Performance may vary at extremes of range

TECHNICAL INFORMATION



STANDARDS & APPROVALS

- EN 54-7: Smoke detectors - Point smoke detectors that operate using scattered light, transmitted light or ionization
- EN 54-25: Components using radio links

