

## DATASHEET

# WIRELESS (LIBRA) MULTI-CRITERIA DETECTOR

### L-MC-SG

The L-MC-SG is a fully intelligent device and compatible with all Libra wireless Translator and Expander modules. The detector is designed for open area protection and combines both dual-path smoke and heat detection technologies 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

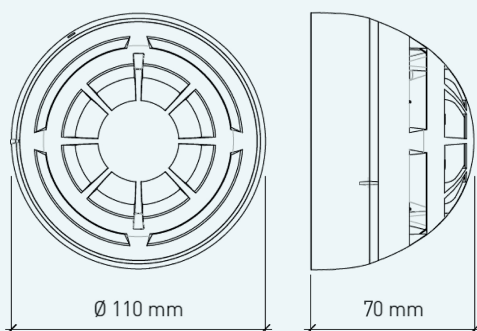
- Advanced dual-path optical chamber design
- Internal algorithm processing optimises performance
- 8 year battery life
- Utilises standard low cost lithium battery technology
- Multiple smoke and heat sensitivity settings
- Bi-directional wireless communications
- Compatible with all Libra translators and Expanders
- Complies with the latest multi-sensor standard EN 54-29
- 5 year product warranty
- Device identification tab
- Twin alarm LEDs for 360° visibility
- Thermal part Category A1R approved

### TECHNICAL SPECIFICATION

Operating frequency range	868 – 870 MHz
Max radiated power	(<25mW)
Operating channels	Multiple
Choice of sensitivity settings	3 smoke/2 heat
Dimensions	110mm x 70mm
Batteries	2 x CR123A
Weight	190g
Temperature Range (no icing)	-10°C to +55°C *
Max tolerated humidity (non condensing)	95% RH
IP Rating	40
Magnet test	Yes

\*Performance may vary at extremes of range

### TECHNICAL INFORMATION



### STANDARDS & APPROVALS

- EN 54-5: Heat detectors - Point heat detectors
- EN 54-7: Smoke detectors - Point smoke detectors that operate using scattered light, transmitted light or ionization
- EN 54-25: Components using radio links

