WL8-OV Wireless Optical Smoke Detector with Built-In Voice Annunciator

The wireless optical smoke detector with built-in voice annunciator WL8-OV continuously monitors the air in the protected area to provide early detection of fire and voice alarm notification. An alarm is activated when the smoke level inside the optical chamber exceeds the configured alarm threshold, while the built-in speaker plays configured emergency message to warn people in the event of fire.

The advanced design of the optical chamber smoke inlet provides high resistance to dust ingress, reducing the need for maintenance. The built-in LEDs provide visual indication during voice message playback, enabling combined audible and visual notification to support evacuation and direct people toward safe exits.

WL8-OV is compatible with ARGUS SPECTRUM control panels. Alarm signals are transmitted wirelessly to the control panel directly or through compatible translator and expander modules, triggering the alarm.

Features and benefits

- Adjustable sensitivity – low, normal or high
- Bi-directional wireless communication
- Fully intelligent
- 10-year of battery life
- Self-optimizing wireless frequency and amplitude algorithms
- Patented design of smoke inlet to optical chamber
- 1 year product warranty

Technical specifications

Communication range with the translator or repeater (open space)	1200 m
Operating frequency	868 MHz
Modulation type	FSK
Operating frequency channels	6
Battery life:	
Primary battery (type CR123A)	8 – 10 years
Secondary battery (type CR2032)	6 – 12 months
Dimensions (Including adaptor wall base)	111 mm x 75 mm
Weight	200 g
IP rating	IP43
Max tolerated humidity (no condensing)	95% RH
Voice pressure level	88 dB
Operating temperature range	From –30 °C to +55 °C

Warranty

All devices are supplied with the benefit of a limited 5 years warranty (the warranty period does not apply to batteries). This warranty is invalidated by mechanical or electrical damage caused in the field by incorrect handling or usage. Product must be returned via your authorized supplier for repair or replacement together with full information on any problem identified.