WL8-OS Wireless Optical Smoke Detector With Built-In Sounder

The wireless optical smoke detector with built-in sounder WL8-OS continuously monitors the air in the protected area to provide early detection of fire and audible alarm notification. An alarm is activated when the smoke level inside the optical chamber exceeds the configured alarm threshold, while the built-in sounder provides audible notification 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. Adaptive signal processing algorithms ensure reliable heat detection and a high level of false alarm rejection.

WL8-OS 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 years of battery life
- Self-optimizing wireless frequency and amplitude algorithms
- Patented design of smoke inlet to optical chamber
- 5 years 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
Sound pressure level	98 dB
Battery life:	
Primary battery (type CR123A)	8 – 10 years
Secondary battery (type CR2032)	6 – 12 months
Dimensions (Including adaptor wall base)	111 mm x 64 mm
Weight	200 g
IP rating	IP43
Max tolerated humidity (no condensing)	95% RH
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.