

ARG-WL8-OV wireless optical smoke detector with built-in voice annunciator

The wireless optical smoke detector with built-in voice annunciator continuously samples the air in the protected area to provide the earliest warning of fire and yet offers a high level of false alarm rejection. An alarm condition is determined when the level of smoke inside the optical chamber exceeds the alarm threshold; consequently an alarm message travels through wireless expanders to the translator module, which then informs the main control panel about the emergency. The advanced design of the smoke inlet of the optical chamber guarantees a high rejection to the intrusion of dust, effectively increasing the time between maintenance periods. The detector is equipped with a speaker module that can play different emergency messages to warn people about the fire. The detector also has several LED's that will light up as the message is played. A combination of visual and audible notification allows the system directing people to the nearest safe exit and dynamically control the evacuation process.

**Features and benefits**

- Adjustable sensitivity – low, normal or high
- Bi-directional wireless communication
- Fully intelligent
- 10-year battery life
- Self-optimizing wireless frequency and amplitude algorithms
- Patented design of smoke inlet to optical chamber
- 5-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)	110 mm x 74 mm
Weight	130 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.