

ARG-WL8Ex-O**Wireless intrinsically safe optical smoke detector**

The wireless optical smoke detector 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 is sent to the control panel through its wire to wireless translator module and, eventually, one or more wireless repeater modules. The advanced design of the smoke inlet of the optical chamber guarantees a very high rejection to the introduction of dust, effectively increasing the time between maintenance periods.

Communication between the detector and the translator / expander modules is wireless.

**Features and benefits**

- Adjustable sensitivity – low, normal or high
- Bi-directional wireless communication
- IEC classification: 0Ex ia op is IIC T6 Ga X
- Patented design of smoke inlet to optical chamber
- 10 years of battery life
- 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
Battery life:	
Primary battery (type CR123A)	8-10 years
Secondary battery (type CR2032)	6-12 months
Dimensions (Including adaptor wall base)	110 mm x 57 mm
Weight	130 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. This warranty (the warranty period does not apply to battery) 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.