

ARG-WL8Ex-EXP
Wireless intrinsically safe expander module

The wireless intrinsically safe expander module compatible with ARG-WL8-TRV wireless translator module. The unit provides a convenient method to increase radiocommunication range beyond that possible from a single translator by relaying the radio communication to further expanders or directly to the wireless field devices. This functionality makes it possible to build large fully wireless systems or add wireless devices into areas where cabling for translators is difficult or impossible. All expanders are fully monitored ensuring the highest levels of life safety and reliability are maintained.



Using well-proven wireless technology and an orthogonal antenna design ensures the highest levels of life safety and system reliability.

Features and benefits

- Dynamic routing for all expanders and field devices
- Bi-directional wireless communication
- IEC classification: 0 Ex ia IIC T6 Ga X / Ex ta ia IIIC T(200)80°C Da X
- Compatible with up to 256 field devices
- Supports full device intelligence
- Ingress protection rating – IP65
- 5 years product warranty

Technical specifications

Power supply range	6 – 14 VDC
Communication range with the translator or expander (open space)	2000 m
Communication range with the wireless field devices (open space)	1200 m
Operating frequency	868 MHz
Modulation type	FSK
Operating frequency channels	6
Dimensions (Including adaptor wall base)	237 mm x 180 mm x 62 mm
Weight	600 g
IP rating	IP65
Max tolerated humidity (no condensing)	93% 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.