WL8-EXP (Ex) **Wireless Intrinsically Safe Expander Module**

The wireless intrinsically safe expander module WL8-EXP (Ex) extends the wireless communication range of the system by relaying radio communication to further expanders or directly to wireless field devices. This enables the creation of large wireless systems and the deployment of wireless devices in areas where connecting a translator is difficult or impractical.

WL8-EXP (Ex) is compatible with ARGUS SPECTRUM control panels and communicates wirelessly with the control panel directly or through compatible translator and expander modules, providing reliable communication over extended distances. All expanders are fully monitored by the system to ensure reliable operation.

The intrinsically safe design of WL8-EXP (Ex) enables its use in hazardous areas where intrinsically safe equipment is required.

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 -40 °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.