FDTWE

Wireless expander module

v. 1.1

Description

The **FDTWE** Expander Module is compatible with all Taurus Wireless intelligent translators and the conventional expander. The unit provides a convenient method to increase radio communication range beyond that possible from a single translator by relaying the radio communication to further expanders or directly to the wireless field devices, allowing to build large fully wireless systems or add wireless devices into areas where cabling for translators is difficult or impossible. The expanders are programmable for redundant path to the translator, so that f any expander in the chain fails, the transmission path can find an alternate route. All the wireless communication relies on a channel pair for spurious RF noise rejections and maximum link reliability. All expanders are fully monitored ensuring that the highest levels of life safety are maintained.



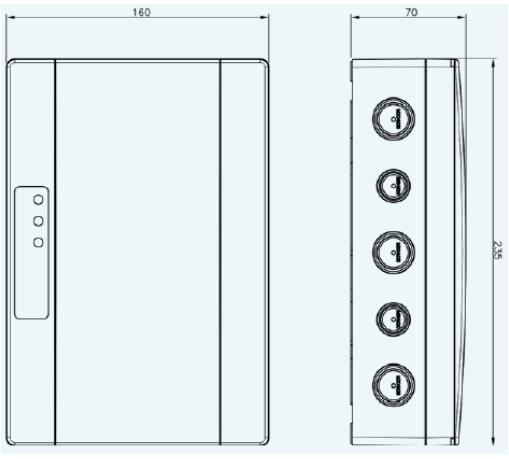
Key Featurea

- Compatible with all intelligent and conventional translators
- Bi-directional wireless communication
- 8 pairs of network channels
- Dual channel redundancy
- Long communication range (≅1 km in open air)
- Internal antennae design protects from environmental
- conditions, vandalism, accidental damage or misuse
- Requires external power supply unit
- Low current consumption
- Rich fire data transfer to translator (eg optical and thermal value, link quality, battery status, chamber drift compensation status)
- Up to 32 wireless field devices per expander
- Easy scan & link programming option
- External PSU powered
- 3rd party approval to EN 54-18 and EN 54-25
- 5-year product warranty

Technical Specifications

Operating frequency range	868 – 870 MHz
Power supply range	9Vdc – 30Vdc
Typical current consumption	24mA (@12Vdc)
Max radiated power	14dBm (25mW)
IP rating	65
Temperature range	-10°C to +55°C
Max humidity (non condensing)	90% RH
Weight (without batteries)	700 g
Dimensions	235 mm x 160 mm x 70 mm

Technical Information



Standard & Approvals

- EN 54-18: Input/output devices
- EN 54-25: Components using radio links

Nota: le prestazioni del dispositivo certificato possono variare a seconda dell'ente di omologazione.

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