FDTWTC

Conventional expander module with display

v. 1.1

Description

The **FDTWTC** 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.



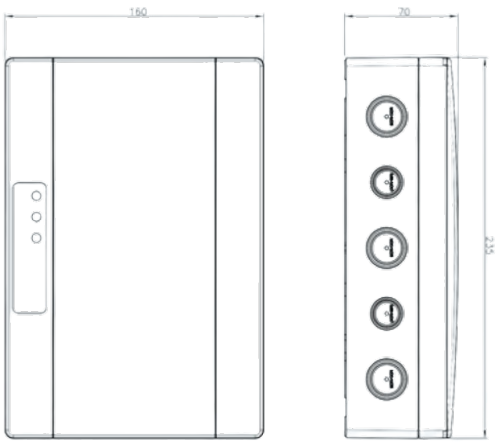
Key features

- Bi-directional wireless communication
- External PSU powered
- Internal antennae design protects from environmental conditions, vandalism, accidental damage or misuse
- Low current consumption
- Devices are fully monitored for alarm and fault
- Compatible with up to 15 expander modules (8 hops)
- Compatible with wide range of conventional and addressable systems
- Site programmable via internal keypad, or via wireless or wired PC connection
- 8 pairs of network channels
- Dual channel redundancy
- Long communication range (1 km in open air)
- Easy scan & link programming option
- 3rd party approval to EN54-18 and EN54-25
- 5 year product warranty

Technical Specifications

Operating frequency range	868 – 870 MHz
Maximum radiated power	14dBm (25mW)
Typical current consumption	40mA (@12Vdc)
Max radiated power	14dBm (25mW)
Max no. of devices	32
Operating Temperature	-10°C to +55°C
Max humidity (non condensing)	90% RH
IP rating	65
Weight	700 g
Dimensions	235 x 160 x 70 mm

Technical Information



Standard & Approvals

- EN54-18: Input/Output Devices
- EN54-25: Components using radio links and system
- requirements
- Compliant with UNI9795 specifications, paragraph 5.4.11.4

Note: The performance of the certified device may vary depending on the approval body.

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