

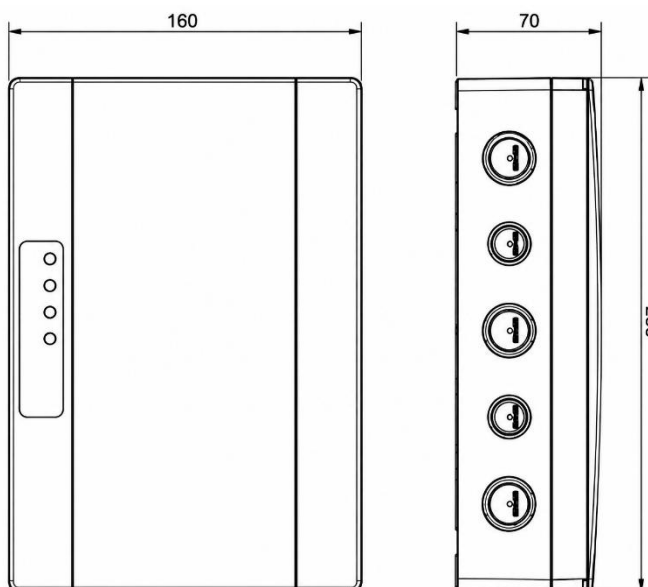
FF Data Sheet | Taurus Wireless Expander

The FRME Wireless 'Next Generation' Expander Module is compatible with all Fusion Wireless translators and the Conventional Expander. The unit increases the 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.

The flexible infrastructure design characteristics of the system makes it possible 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 alternative and redundant path to the translator, ensuring maximum reliability of the system.

All expanders are fully monitored ensuring that the highest levels of life safety are maintained in accordance with the latest AS1670.1 2018 requirements and AS ISO 7240.25.

Diagram:



Key Features

- Compatible with all Fusion DDI and conventional translators
- Bi-directional wireless communication
- 66 wireless channels
- 50-75m communication range with the expander modules or field devices in internal environments (subject to survey)
- Dual channel and dual path redundancy
- Internal antennae design which protects them from the environment, vandalism, accidental damage, or misuse.
- Requires external power supply unit.
- Low current consumption
- Rich fire data transfer to translator
- Up to 32 wireless field devices per expander
- Easy scan & link programming option
- External PSU status supervision
- Compatible with up to 8 layers/15 expander modules
- 3rd party approval to AS ISO 7240-25, AS 7240.13 and AS ISO 7240.18



Specifications

Operating frequency range	916 MHz
Power supply range	9Vdc – 30Vdc
Typical current consumption	24mA (@12Vdc)
Max radiated power	14dBm (25mW)
IP rating	30
Operating Temperature	-10°C to +55°C
Max humidity (non-condensing)	90% RH
Weight	700 g
Dimensions	235 mm x 160 mm x 70 mm

Certification & Approval

AS 7240.25	Radio Transmission Paths
AS 7240.18	Input & Output Modules
AS 7240.13	Compatibility
CertMark	Certificate Number PC10065

Part Numbers & Options

FRME	TAURUS PathFinder Mesh Expander Module
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