

## FF Data Sheet | Wireless Translator Module

The FRMT Wireless Translator Module is one of the core components of the new 'Next Generation' hybrid AXIS fire detection and alarm system infrastructure.

It functions as a Digital Distributed Intelligence device on the Fusion system protocol and incorporates bi-directional short circuit isolators. The translator can link up to 127 DDI wireless field devices of any type and is powered from the loop.

All wireless communications incorporate multi-path redundancy for spurious RF noise rejection and maximum link reliability. The system offers extremely flexible design configurations with the capability of up to 16 expanders for range enhancement. With this level of flexibility, it is extremely unlikely distance would compromise system design requirements.

The translator allows seamless integration of the wireless devices alongside standard wired devices, or it can be used independently to form completely wireless systems.

Using cutting edge wireless technology and a proprietary orthogonal antenna design it ensures the highest levels of life safety and system reliability in accordance with the latest AS1670.1 2018 requirements, AS ISO 7240.25, AS7240.13, AS ISO 7240.17 and AS ISO 7240.18.

With a unique approach to programming and Configuration software, the devices are learnt into the system and addressed by simply holding the device's and addressed by simply holding the device's 'QR' code near the camera on your laptop, it then appears on the screen and is ready for programming.



### Key Features

- Loop powered or via external power supply unit
- Bi-directional wireless communication
- Compatible with up to 8 layers/15 expander modules
- Internal antennae design which protects them from the environment, vandalism, accidental damage, or misuse
- Low current consumption
- 66 wireless channels of communication
- 50-75m communication range with the expander modules or field devices in internal environments (subject to survey)
- Dual channel redundancy
- Rich fire data management
- Site programmable via local keypad, or via wireless (Bluetooth) or wired PC connection
- Fully system programmable and accessible from the translator
- Easy scan & link programming option
- Utilises Fusion Digital Distributed Intelligence protocol with high noise rejection
- 3rd party approval to AS ISO 7240.25, AS ISO 7240.17 and AS ISO 7240.18.

## Specifications

|                                      |                         |
|--------------------------------------|-------------------------|
| <b>Loop Power Supply Range</b>       | 18Vdc –40Vdc            |
| <b>Operating Frequency Range</b>     | 916 MHz                 |
| <b>Max Radiated Power</b>            | 14dBm (25mW)            |
| <b>IP Rating</b>                     | 30                      |
| <b>Operating Temperature</b>         | -10°C to +55 55°C       |
| <b>Max Humidity (non-condensing)</b> | 90% RH                  |
| <b>Typical Current Consumption</b>   | 16mA (@ 24V dc)         |
| <b>Weight</b>                        | 700 g                   |
| <b>Dimensions</b>                    | 235 mm x 160 mm x 70 mm |

## Certification & Approval

|                   |                            |
|-------------------|----------------------------|
| <b>AS 7240.25</b> | Radio Transmission Paths   |
| <b>AS7240.17</b>  | Short Circuit Isolators    |
| <b>AS7240.18</b>  | Modules                    |
| <b>CertMark</b>   | Certificate Number PC10065 |

## Part Numbers & Options

|             |                                                       |
|-------------|-------------------------------------------------------|
| <b>FRMT</b> | Translator (transmitter) Module - 127 device capacity |
|-------------|-------------------------------------------------------|

## Diagram:

