

FF Data Sheet | Wireless Single Input Module

The FRMI is a Digital Distributed Intelligence wireless input module. It is the 'next generation' in wireless technology.

The wireless Input Module has been designed to allow easy monitoring of a variety of third-party equipment including access control doors, ventilation plant and fire extinguishing systems.

The unit is powered entirely from its internal battery supply and monitors fire, open circuit and short circuit faults.

With a unique approach to programming and configuration software, the devices are learnt into the system 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.

Powered by 2 CR123A batteries (1 primary and 1 secondary) the device has an impressive 10-year battery lifespan. Once the primary battery has reached the end of its life a maintenance warning is sent to the CIE, and the secondary battery continues to power the device for typically, 3 months.



Key Features

- Internally powered
- 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 redundancy
- 10-year battery life
- Utilises standard low-cost lithium battery technology (2x CR123A)
- Fast test feature for engineer testing
- Easy scan & link programming option
- 3rd party certified to AS ISO 7240.18, AS 7240.13 & AS ISO 7240.25
- Utilises Fusion Digital Distributed Intelligence protocol with high noise rejection
- Tamper switch to indicate if the device is removed from its base
- Multiple/redundant frequency channels options
- 2A @ 30V DC relay

Specifications

Operating Frequency Range	916 MHz
Max Radiated Power	14dBm (25mW)
Alarm Supervision Resistor	5.6K
EOL Supervision Resistor	10K
Dimensions	136mm x 96mm x 57mm
Weight	221 g (without batteries)
Batteries	2x CR123A
Operating Temperature	-10C to +55C (performance may vary at extremes of range)
Max humidity (non-condensing)	95% RH
IP rating	42

Certification & Approval

ASISO 7240.18	Modules
ASISO 7240.25	Radio Transmission Paths
AS7240.13	Compatibility
CertMark	Certificate Number PC10065

Part Numbers & Options

FRMI	Digital Wireless Input Module
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Diagram:

