APPLICATION

The Ness M1RF Receiver is a unique high performance radio receiver designed to operate with up to 144 Ness proprietary radio transmitting devices, including radio keys, radio reed switches and radio PIRs.

The M1RF receiver is wired to the M1 via the 4 Wire High Speed Data bus and receives signals for connecting radio detectors and radio keys to the Ness M1 cross platform controller.

Placed upon the databus the M1RF Receiver may be located anywhere along the bus and does not need to be located next to the panel. This means that if required the receiver could be located up to 1 Km from the panel. Allowing more than 1 receiver to be connected to any system distances between detection devices to the receiver is not an issue.

The wireless zone alarms replace hard wired zones on the M1, where each radio key can either replace one of the 199 user codes, or alternately can be programmed in as addition to user codes 204-255. Each of the 4 buttons on the Ness Radio key can be programmed to work the same globally for each key, or each button can be programmed to work individually from each other.

FEATURES:

• Multi-channel Receiver for up to 144 Wireless Transmitters
• Operates on the 4-Wire Data Bus
• DIP Switch Address Settings
• Flash Memory for Firmware Updating
• Status and Diagnostic LED
• On-Board EOL Bus Termination Jumper
• Supplied in easy to mount equipment housing.

> Please Note: For best receiver range ensure the antenna is streched out horizontal from the receiver PCB out the case. Do not mount the receiver inside the M1 housing near the M1 Control panel.

SPECIFICATIONS

Max. radio devices 144
Device types .... Keys and/or detectors
Protocol .... Ness proprietary; 24-bit nonencrypted and/or 56-bit encrypted
Receiver type .... Superheterodyne
Frequency ....303.875MHz. (Other frequencies availble for other countries.
Bandwidth (3dB) 800kHz
Sensitivity .... > -100dB
Operating voltage 9-14V

⚠️ **The Ness M1RF receiver is compatible with the following Wireless transmission devices at initial release.**
- ■ **Ness R15 PIR (100-663)**
- ■ **Ness R15 PET (100-663PET)**
- ■ **Ness R12 PIR (100-691)**
- ■ **Ness RR1 Radio Reed (100-662)**
- ■ **Ness RK4 Radio Key (100-067)**
- ■ **Ness RK3 Radio Key (100-664)**
- ■ **Ness Emergency Button (100-283)**

Additional Ness transmitters may be added to the compatibility list in due course. Please confirm with your local Ness office for a full updated list.