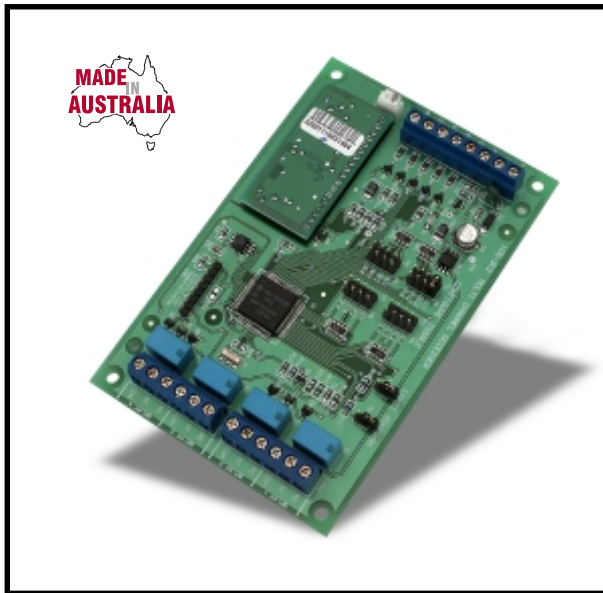


Ness MCR

MULTICHANNEL RECEIVER



NESS MCR 8 CHANNEL STANDALONE RECEIVER

The Ness Multi-Channel Receiver (MCR) is a unique high performance 303.875MHz radio receiver designed to operate with up to 16 Ness proprietary radio transmitting devices, including radio keys, radio reed switches and radio PIRs.

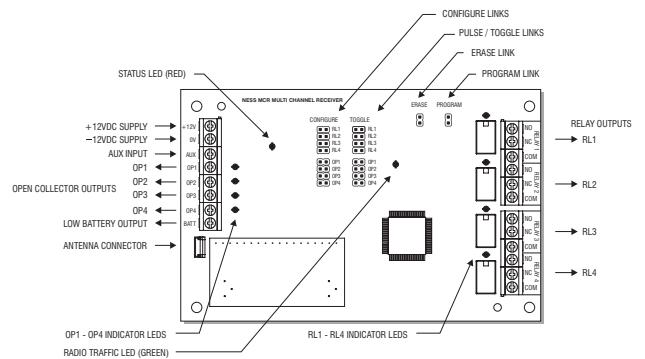
The MCR is ideal for applications which require remotely switched relay outputs for power switching, e.g. garage door opening, etc. 4 relays and 4 open-collector transistor outputs are provided.

The MCR can also be used for alarm panels which do not provide a wireless facility: for connecting radio detectors for zone alarms, panic buttons, and radio keys for arming and disarming the panel. The AUX input of the MCR enables it to identify the Armed/Disarmed status of a panel, which allows correct arming and disarming using separate ON and OFF radio key buttons (unlike a single key button toggle output which can place the panel in the wrong state without the user realising).

Any combination of encrypted and non-encrypted radio keys (1, 3 and 4 button), radio reed switches and radio PIRs can be flexibly configured: One device can control any number of outputs; up to 16 devices can control a particular output. Outputs can be configured in Pulse, Toggle or Latch modes.

The MCR is supplied as a printed circuit board assembly with mounting stand-offs, for installation inside a control panel or other enclosure. Terminal blocks are provided for all external connections.

- ENCRYPTED OPERATION**
- 8 OUTPUTS**
4 RELAYS • 4 OPEN COLLECTORS
- UP TO 16 TRANSMITTERS PER OUTPUT**
- PROGRAMMABLE OUTPUTS**
PULSED • TOGGLE • LATCHING
- EASY PROGRAMMING**
- NON-VOLATILE MEMORY**
- COMPATIBLE WITH ALL NESS RADIO DEVICES**



SPECIFICATIONS

Max. radio devices	16
Device types	Keys and/or detectors
Protocol	Ness proprietary; 24-bit non-encrypted and/or 56-bit encrypted
Receiver type	Superheterodyne
Frequency	303.875MHz
Bandwidth (3dB)	800kHz
Sensitivity	> -100dB
Relays	4 x Form C (Changeover)
Contact dry rating	1A at 28V
Open-collector Outputs	4 general + 1 low battery
Open-collector rating	20mA at 12V
Open-collector action	Switches to ground when active
Operating voltage	10-14V
Quiescent current	18mA
Energise current per relay ...	12mA
Dimensions (no stand-offs)	132 x 85 x 13mm
Weight	80g

Part No. 100-666 Ness MCR multi-channel standalone receiver



SYDNEY
02 8825 9222

MELBOURNE
03 9878 1022

BRISBANE
07 3343 7744

PERTH
08 9328 2511

ADELAIDE (Aquavia)
08 8277 7255

NZ (NFS)
+64 9 573 0401

HONG KONG
+852 2721 8097