AUX
AUX CHANNEL RECEIVER

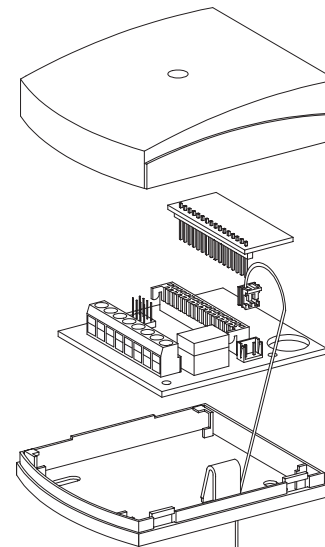**PART NUMBER:** 100-099

MODEL: Ness AUX Receiver

FEATURES

- Receives AUX channel transmissions from the Ness RK4 Radio Key.

- Receives PANIC channel from Ness RK4.

- Receives Low Batt channel from Ness RK4.

- Supports up to four RK4 Radio Keys.

- Simple "Learn Mode" programming of radio Keys.

- 1 x Relay output, (Selectable Toggle or Pulse).

- 2 x Open Collector outputs, (Panic/Low batt)

Security Products

Quality
Endorsed
Company
ISO9001
LICR№ QEC20074
NSW Head Office only

N55

NESS SECURITY PRODUCTS
Australian Communications Authority
RADIO COMMUNICATIONS COMPLIANCE

MADE IN AUSTRALIA

INTRODUCTION

The Ness 100-099 AUX receiver is designed to be used with up to four Ness RK4 Radio Keys.

The AUX Receiver receives the AUX button and PANIC button transmissions from the RK4.

This receiver can be used if the control panel in use does not process AUX channel signals, (such as the Ness R8), or where an additional AUX channel receiver is needed.

For example, in a D8 or D16 installation using the RK4 for Arm/Disarm and Panic. Using the AUX button on the RK4 to open the garage door. The control panel does have an auxiliary output for the AUX button but it may be more convenient to install an AUX Receiver in the garage rather than running a cable from the control panel's Aux output to the garage.

OUTPUTS

RELAY: Activated by the AUX button on the RK4 Radio Key.

Changeover N.O. & N.C. contacts rated at 1A max. @ 28V DC.

The relay can be set by a link to be Pulsing, (2 second pulse), or Toggle.

PANIC/TAMPER: Activated by the PANIC button on the RK4 Radio Key.

Open collector output. 40mA max. current.

This output pulses on for 2 seconds when activated.

LOW BATT: Activated by a low battery signal from an RK4 Radio Key.

Open collector output. 40mA max. current.

This output pulses on for 2 seconds when activated.

INPUTS

+12V: 9-16V DC supply.

0V: DC supply ground.

LINKS

CODE1: Programs a Radio Key to User Slot 1.
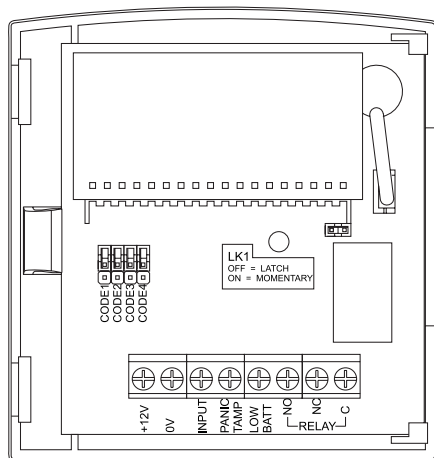**CODE2:** Programs a Radio Key to User Slot 2.
CODE3: Programs a Radio Key to User Slot 3.
CODE4: Programs a Radio Key to User Slot 4.

LK1: Sets the relay output to be Latching (Toggle) or Momentary (Pulse).

Link ON: Momentary (2 seconds on).
Link OFF: Latching. Each transmission of a valid AUX channel will change the state of the relay.

PROGRAMMING

Up to four Radio Keys can be programmed, one per Code Slot 1-4.

To enter program mode and select the code slot to be programmed place a link on pins CODE 1, CODE 2, CODE 3 or CODE 4.

On entering program mode the relay will turn off if it is not already off. If more than one set of CODE pins is shorted at any one time then the receiver will exit program mode.

In program mode, if the code slot selected has been programmed then the LED will stay on. If the code slot is blank then the led will flash at 5Hz.

To program a radio key, press the radio key OFF button 3 times. After each valid button press the LED will flash once quickly then turn off. After the third button press the led will stay on to indicate that the radio key has been programmed.

To exit program mode, remove the CODE link.

A code slot may be erased from a code slot by placing a link on the relevant CODE pins and transmitting an ON signal from any radio key.

Programming Example:
To program an RK4 radio key to code slot 1.
1. Place a link on the CODE1 pins.
2. Press the RK4 OFF button 3 times.
3. Remove the link.

Note:
Either the Ness RK3 or RK4 radio keys can be programmed to this receiver.
However, the 3 button RK3 radio key will only activate the PANIC/TAMPER output.

SPECIFICATIONS

Dimensions .... 73(h) x 73(w) x 27(d) mm
Operating voltage .... 9–16V DC
Quiescent current draw . 13mA
Relay output .... NO and NC
                        1Amp 28Volts Max
Panic/Tamper .... open collector output 40mA
Low battery .... open collector output 40mA
Momentary output
on time .... 2 Seconds
Radio frequency 303.875MHz

Compatibility .... Ness 100-067 RK4 Radio Key
                        (AUX & Panic channels)
                        Ness 100-664 RK3 Radio Key
                        (Panic channel only)