Model No: **RX1-500**

1 Channel Receiver : 500m Code Hopping

Technical Specifications:

Model:	RX1-500
Encryption type:	Code hopping
Transmission frequency:	403MHz (local) 433MHz (export)
Transmission method:	OOK
Modulation	AM
Transmission range:	500m "Line of sight"
Memory capacity:	80 remotes
Voltage range:	10V to 16VDC
Standby current consumption:	+/-22mA 10%
Current consumption all on:	+/-126mA 10%
Operating Temperature:	-3°C to 49°C
Dimension (lxbxh)	145 x 66 x 40mm
Gross weight:	170g
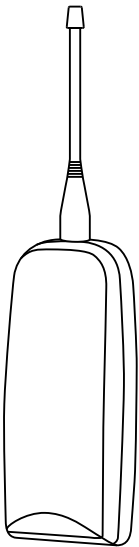
Features:

Code-Hopping Encryption

1 x Relay output

Normally Open / Closed

Weather-proof ABS housing

Frequency stability controlled +/- 75KHz

Approvals:

This product is approved for use in residential, commercial and light Industrial environment and complies with the essential protection requirements of the R&TTE Directive 1999/EC on the approximation of the laws of the Member states relating to electromagnetic compatibility and radio spectrum.

Certifications:
ETSI EN300 220-V2.4.1
ETSI EN301-489-3 V1.4.1
ETSI EN301-489-1 V1.9.2
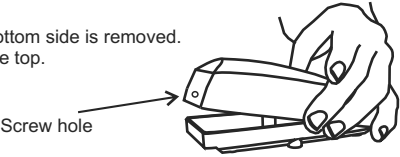IEC 60950-1:2005 + A1:2009
ICASA TA-2017/2237

Order Codes:

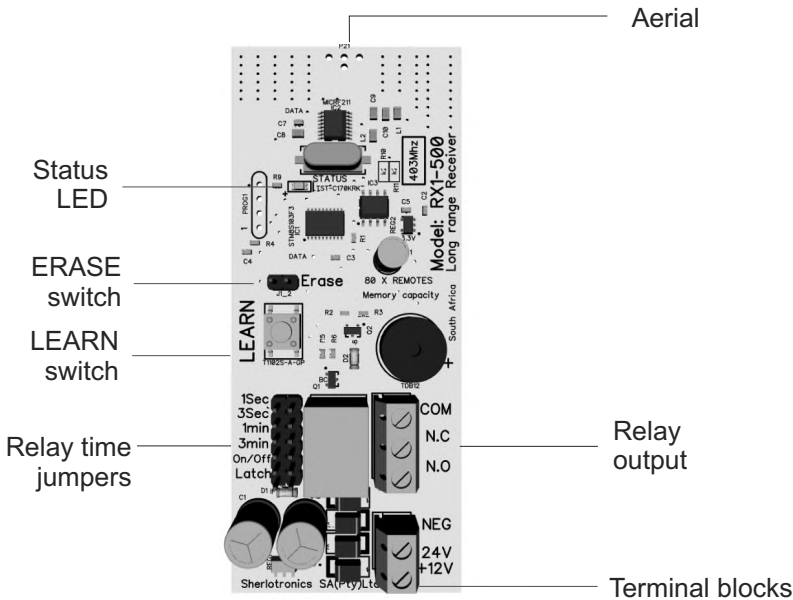|	
1 Channel Receiver : 500m Code-hopping	RX1-500

RX1-500

FleetComplete

Opening the unit

Remove the Aerial and make sure the screw on the bottom side is removed. Carefully lift the lid up from the back end and unclip the top.

Screw hole

Mounting advice

The plastic housing is splash proof, and may be mounted externally if required. The unit should be mounted vertically for best performance. Ensure that you do not mount the unit close to electric fence cables or energizers, as these products produce extreme levels of interference and may reduce the performance of the product. If mounting indoors try and centralise the unit, and keep it at least 3 metres away from armed response company's alarm radio transmitters.

Aerial

Status LED

ERASE switch

LEARN switch

Relay time jumpers

Relay output

Terminal blocks

Defaulting the RX1-500

Note: Please default the unit first before installation.
This will erase any previously programmed factory
test remotes from the memory.

LEARN

← Press and hold for more than
10 Seconds. When the beeping
stops the unit is defaulted.
Wait a few seconds until it re-boots.

Programming remotes in

1. Default the unit before you begin a new installation. This erases all previously programmed remotes.
2. Press the LEARN switch once to step to relay 1. (1 x beep sounds)
3. Press the button on the remote control a few times to learn in to the RX1-500 (2x beeps sound)
4. Continue to learn in any additional remote controls until all the remotes are programmed in.
5. Press the LEARN switch again to exit from learn mode. (1 x long beep sounds)

Note: The unit can be programmed with up to 80 remotes. When the memory limit has reached its limit the
RX1-500 will auto exit out of program mode. The unit auto exits out of program mode if nothing is received after
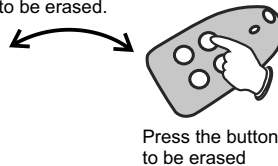30 seconds.

Programming the ON/OFF function

1. Default the unit before you begin a new installation. This erases all previously programmed remotes.
2. Select the 1 sec & 3 sec relay time jumpers respectively.
3. Press the LEARN switch once to step to relay 1 (ON command) (1 x beep sounds)
4. Press the button on the remote control for the ON command. (2 x short beeps sound)
5. Press the LEARN switch again to advance to the OFF command. (2 x beep sounds)
6. Press the button on the remote control for the OFF command. (2 x short beeps sound)
7. Press the LEARN switch once more to exit out of learn mode. (1 x long beep sounds)

Erasing individual remotes

1. Link the ERASE jumper
2. Press the LEARN switch
3. Press the remote to be erased
4. Repeat step 2 & 3 for each
    remote to be erased.
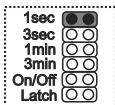5. Remove ERASE jumper when
    done

Link On

ERASE

LEARN
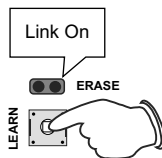
Repeat for each remote
to be erased.

Press the button
to be erased

20 beeps

You must erase
one remote
at a time.

Relay time jumper settings
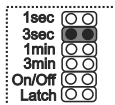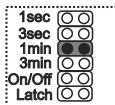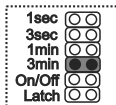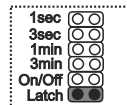
1 Second	3 Seconds	60 Seconds	3 Min	Latch/un-Latch	On / Off
1sec ●●	1sec ○○	1sec ○○	1sec ○○	1sec ○○	1sec ○○
3sec ○○	3sec ●●	3sec ○○	3sec ○○	3sec ○○	3sec ○○
1min ○○	1min ○○	1min ●●	1min ○○	1min ○○	1min ○○
3min ○○	3min ○○	3min ○○	3min ●●	3min ○○	3min ○○
On/Off ○○	On/Off ○○	On/Off ○○	On/Off ○○	On/Off ○○	On/Off ●●
Latch ○○	Latch ○○	Latch ○○	Latch ○○	Latch ●●	Latch ○○
Gate & garage door automation	Panic on alarm panel	Maglock release / beam bypass	Arming & Disarming alarm panels	Siren output or beam bypass	Code 1 = ON Code 2 = OFF