



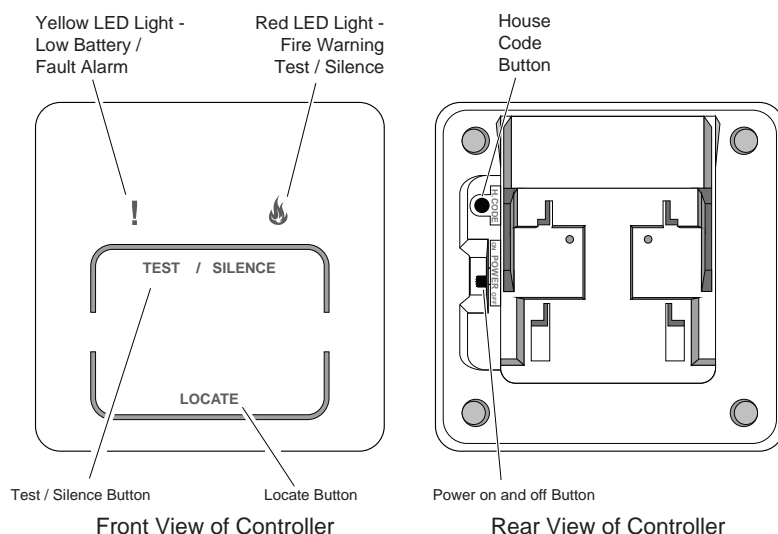
## Technical Specification

Supply Voltage	Powered for life Lithium battery
Battery Capacity	1600 mAh
RF Frequency	433Mhz
Temperature Specification	0°C to 40°C (Cat 3)
Humidity	15% - 95% (Non Condensing)
Receiver Category	Cat 2
RF Performance	AS4268
EMC Performance	EN 301 489-1, EN 301 489-3
Safety Testing	EN 60065
RF Power	+7dBm
Number of RF Alarms	12 per House Code group

Congratulations on purchasing the Red Smoke Alarms Controller. This alarm controller can Radio link with Red radio frequency devices such as the Red Smoke Alarms models.

## Alarm Controller functionality

Function	Description
Test:	All the Alarms can be tested from a centralised location
Locate:	This will silence all the Alarms in the system except the one sensing Fire
Silence:	This will silence the source Alarm(s)
Fire Indicator:	Indicates that a Fire Alarm has been activated
Low Battery Indicator:	Indicates that the Alarm Controller battery has reached its end of life (EOL)
Memory:	The memory feature allows the controller to stay connected with other Red Smoke Alarms models. The memory feature only works with the Red Smoke Alarms models. Contact us or visit our website for details <a href="http://www.redsmokealarms.com.au">www.redsmokealarms.com.au</a>



## House Coding

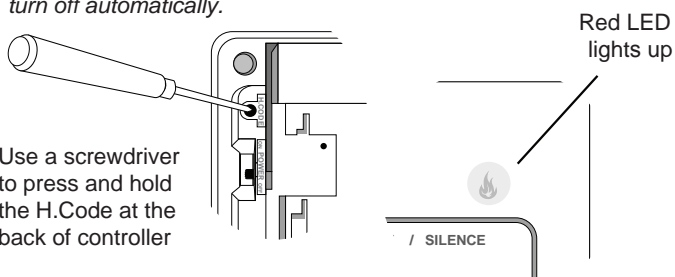
It is essential to House Code the Alarm Controller to all the other smoke alarm in the system to ensure they will not communicate with nearby systems. Failure to House Code the system may also result in a system malfunction.

The Red device uses a "Master-Subordinate" Pairing Method to complete the House Code. This means using the first device as the Master (open for wireless interconnection), and the other device as subordinate (to join the master's wireless interconnection).

### A) Wireless interconnect by setting up the Controller as the master

1. Press and hold the House Code button (H CODE) on the back of the controller until the Red LED lights up, then release. Now the controller is the "master", all other smoke alarms are now subordinate devices.

**Note:** The House Coding Mode on the controller will be on for 2 minutes 30 seconds. After this period, House Coding mode will turn off automatically.



2. House Code all other Red Smoke Alarms models in the system. Press the Pairing button on the smoke alarm. For details, consult the instruction manuals on how to house code the smoke alarms.

3. If the House Coding is completed within the 2 minutes 30 seconds, the user can use a screwdriver to press the House Code (H.CODE) button once, the 'fire' LED on front will turn off to indicate the House Coding mode is turned off.

**Note:** The Controller has a House Code memory function, all House coded devices will remain wirelessly interconnected. If user has not completed the interconnection of all smoke alarms within the House Coding period (2 minutes 30 seconds), repeat from Step 1 for all devices that have not yet been House Coded.

### B) Wireless interconnect by Setting controller as the subordinate device

1. Press and hold the Pairing button on the back of the wireless smoke alarm until the Red LED lights up, then release. For details, consult the instruction manuals on how to House Code the Alarms and devices. Now, this Red Smoke Alarm is the "master", the controller and the other Red Smoke Alarms are the "subordinates".

2. To wireless interconnect the controller to the master, turn on at power switch, use a screwdriver to press 2 times on the House Code button (H.CODE) on the back of the controller. The red 'fire' LED on the controller will flash 5 times to indicate the controller has been connected. Now, the controller has interconnected with the "master" smoke alarm.

## Operation

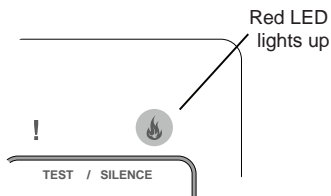
Frequent testing of the system is advised to ensure its continued and safe operation. Guidelines and best practices for testing are as follows:

1. After the system is installed.
2. Once monthly thereafter.
3. After prolonged absence from the dwelling (e.g. after holiday period).
4. After repair or servicing of any of the system elements or household electrical works.

## Testing the alarm system

1. Press the "TEST / SILENCE" button 1 time on the Alarm Controller  
The red LED will light up for 2 minutes 30 seconds to indicate the controller is in test mode. During this period, the controller will send signals constantly to all radio linked device. (Alarms may take some time to activate)
2. All devices that have already linked to the controller will flash red on the LED, and alarm will sound.
3. To manually turn off the controller from Test mode, press the "SILENCE" button 1 time. The red LED will turn off and alarms will silence after 5 seconds.

*Note: The controller will turn off the Test mode after 2 minutes 30 seconds. If user has not completed testing all smoke alarms, repeat from Step 1. If the test fails, go to "Troubleshooting" section.*



## Locate the source Alarm(s)

If the FIRE indicator is lighting and there is no obvious fire, user may trace the source device to check. Controller receiving the signal from the wireless interconnected smoke alarm LED will flash red.

1. Press the "LOCATE" button 1 time on the controller. The red LED on the controller will change from flashing to steady.
2. After 3 seconds, all wireless interconnected smoke alarms will stop alarming and flashing red LED except the source smoke alarm.

*Note: The controller will turn off the Locate Mode after 2 minutes. If the source smoke alarm is still activated after 2 minutes (detected smoke alarm), the wireless interconnected alarm will resume alarm-ing and flashing red LED. If user has not yet traced the source smoke alarm, repeat Step 1.*

## Silence the source Alarm(s)

If you are satisfied there is no fire but the smoke alarm is continuing to alarm you may now silence the system.

1. Press the "SILENCE" button 1 time on the controller. The red LED on the controller will change from flashing to steady.
2. After 5 seconds, the source wireless interconnected device will enter silence mode. All other radio linked devices will stop sounding. The silence feature has been completed.

## When the alarm system sounds

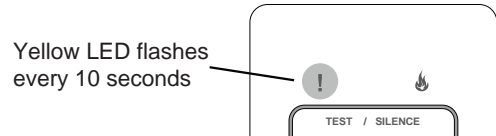
If there is a fire, immediately evacuate the premises and phone the fire brigade.

## Low Battery Warning Signal

The Alarm controller uses a sealed lithium battery to operate. The Lithium Battery will operate this alarm controller for approximately 10 years under normal usage.

The controller flashes the yellow LED light every 10 seconds when the battery is low. User must replace with a new controller.

Purchase a new controller from your retailer store and contact your installer for details.



## Reset the House Code

Sometimes in order to resolve a wireless interconnection communication issue, e.g. Alarms have to be relocated, it may be necessary to reset and House Code all Radio Linked Alarms and devices in the system again.

To reset the Alarm Controller, use a screwdriver to press the House Code button 5 times. The red LED will flash 10 times to indicate memory has been reset. The Alarm Controller has now been reset. To reset the other wireless interconnected smoke alarms in the system consult the appropriate instruction manuals.

## Troubleshooting

If, when checking the wireless interconnection, some of the Alarms do not respond to the Alarm Controller remote control test, then:

- (i) Ensure the Alarm Controller and alarms have been activated correctly. Check that the power-on procedure operates as described in the 'Installation' section.
- (ii) Repeat House Code procedure (see 'House Coding' section).
- (iii) Relocate the Alarm Controller and/or rotate/relocate the wireless smoke alarms. There are a number of reasons why the RF signals may not reach all the alarms in your system. Try rotating the alarms or relocating the alarms (e.g. move them away from metal surfaces or wiring) as this can significantly improve signal reception.

Rotating and/or relocating the alarms may move them out of the range of existing units even though they may have already been House Coded correctly in the system. It is therefore important to check that all alarms are communicating in their final installed positions. If alarms are rotated and/or relocated, we recommend that all Alarms are returned to the factory settings (see the respective use and care instructions). Then House Code all alarms again in their final positions. The wireless interconnection should then be checked again.

## Warranty

Red Smoke Alarms warranty this Alarm Controller for ten (10) years from date of purchase against any defects that are due to faulty materials or workmanship. This guarantee only applies to normal conditions of use and service and does not include damage resulting from accident, neglect, misuse, unauthorised dismantling, or contamination howsoever caused. This guarantee excludes incidental and consequential damage. This guarantee does not cover costs associated with the removal and/or installation of units. If the product should become defective within the guarantee period, it may be returned with proof of purchase, carefully packaged, and with the problem clearly stated to the place of purchase or phone one of the offices for advice.

**Tel:** 1300 316 552

We shall at our discretion repair or replace the faulty unit.