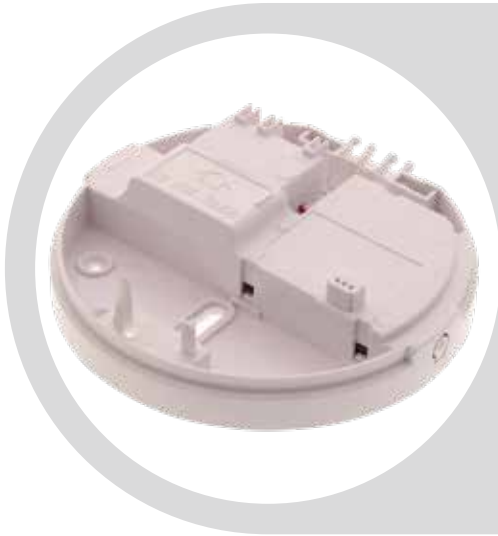




SMOKE ALARMS

Data Sheet



RWB

Mounting Base for Main Powered Smoke Alarm - Wireless Interconnect
For use with R240 & R240RC

Key Information

Product brand	Red Smoke Alarms
Product or component	Mounting Base
Device application	Mounting
Colour	White (RAL 9003)
Quantity per set	Set of 1
Type of packing	Carton

Complementary

[US] rated supply voltage	220...240 V AC
[Ie] rated operational current	40mA maximum
Battery Type	Sealed rechargeable
Battery life	10 Year
Transmission Frequency	433.92 MHz
Number of device	Interconnect 40pcs smoke alarm (wired or wireless interconnected)
Operating Distance	30m indoor use line of sight 100m in free field
Remote control type	Only with wireless remote control switch with max 30m
Time delay range	2 min for pairing
Connections - Terminals	For live: Screw terminal with 2 x 15mm ² wiring capacity For neutral: Screw terminal with 2 x 1.5 mm ² wiring capacity For earth loop: Screw terminal with 2 x 15mm ² wiring capacity For interconnect: Screw terminal with 2 x 15mm ² wiring capacity
Local Signally	1 red LED flashing once every 10s for low battery
Type of installation	Indoor
Diameter	140 mm
Height	55 mm

Environment

Ambient air temperature for operation	0...45°C
Relative humidity	5...95%
Standards	AS 4268

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.

Neither Red Smoke Alarms PTY. LTD nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Offer Sustainability

Sustainable offer status

Not Green Premium Product



Data Sheet
R240

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MOUNTING BASE RWB

Smoke Alarm Mounting Base with Wireless Interconnection



INSTALLATION INSTRUCTIONS

PLEASE NOTE:

READ ALL INSTRUCTIONS BEFORE INSTALLATION. NO USER SERVICEABLE PARTS INSIDE THIS SMOKE ALARM.

Specifications:

Main Power Source	220-240V ac, 50 Hz
Secondary Power Source	Sealed rechargeable battery
Operating Current	≤40 mA
Temperature Range	0 °C to 45 °C
Humidity Range	5% to 95%
Interconnecting	40 alarms for wireless 40 alarms over 150 metres maximum
Transmit Frequency	433.42 MHz
RF Range	100 m free air 30 m indoors (line of sight)
Terminals	Active, Neutral, Loop and Interconnect terminals, each accommodates 2 × 1.5 mm
Pairing duration	2 min (recount after each success pairing)
Sound Level	85 dB at three metres minimum
Visual Indicators	Red LED for warning and low battery indication
Approval	AS 3786:2014, UL S36341

Red Smoke Alarm RWB is a wireless mounting base, not a smoke alarm.

The RWB Smoke Alarm Mounting Base with Wireless Interconnect is designed for use with R240 and R240RC smoke alarms.

- Not compatible with 3rd party products, systems or fire panels.
- Not compatible with model R10 and R9.

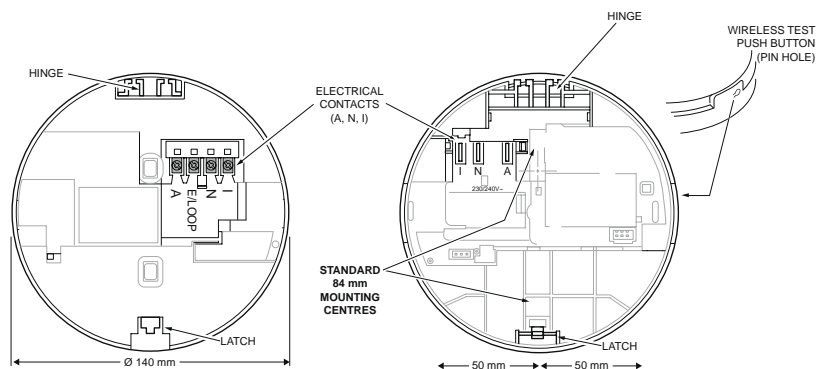
The RWB will also wirelessly interconnect with the RF Lithium Battery powered smoke alarm R10RF.

IMPORTANT

EQUIPMENT INSTALLATION HAZARD

- Only install indoors.
- All interconnected smoke alarms (max 40) must be supplied from the same interconnection. A common Neutral must be used for the interconnect to operate.
- DO NOT connect the interconnect wire to Active or Neutral.

WARNING: Failure to follow these instructions may result in equipment damage or injury.



Wireless Connection Setup Guide:

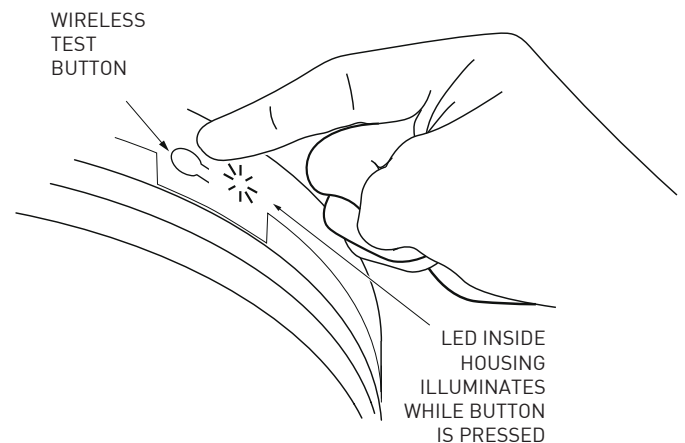
1. Complete installation and turn on the mains power supply.
2. Select one of the wireless bases as the MASTER unit. Place the MASTER label near the wireless self-pairing button. Treat all other units as BRANCH units.
3. On the MASTER wireless base, by hand, press and hold the wireless self-pairing button for 5 seconds. The unit is now in self-learn pairing mode indicated by the LED remaining on for 2.5 minutes.

NOTE: To exit self-learn pairing mode, press the wireless self-pairing button one time. The Red LED will turn off.

4. While the MASTER unit's LED is on, pair the BRANCH units by pressing their wireless self-pairing button 2 times quickly (within a second). The BRANCH unit's LED will flash 5 times indicating successful interconnection.

NOTE: If a BRANCH unit does not flash its LED 5 times, the wireless connection has failed. In this case, check that the MASTER unit's LED remains ON and is still in self pairing mode while pairing the BRANCH unit. Make sure only one unit is the MASTER, and all others are subordinate BRANCH units. Previously paired units do not have to be paired again if activating master self-pairing mode again.

5. Repeat step 4 on all other BRANCH units.
6. After all units have been paired, exit self-pairing mode on the master unit, then press and hold the MASTER unit's Test/Hush button until all other wireless RF interconnected units alarm sound (all units may take some time to sound).



CAUTION

- Alternative Energy Sources - (Wind, Solar, UPS etc.) This product is designed to be connected to a Pure or True Sine Wave 230 Vac supply.
- It should not be connected to a power source that utilises an inverter, e.g. PV solar panel, the Total Harmonic Distortion (THD).
- Light Dimmer Circuits - The Alarms must not be powered from a light dimmer circuit.

Before Installing:

- Ensure there are no obstructions in mounting surface, such as pipes or cables.
- Use minimum cable width 1.0mm for all wiring, including interconnect wiring.
- Do not attach to damp, freshly painted, or to electrically conductive surfaces (e.g. metallic surfaces.)
- Smoke alarms must be mounted at least 300 mm from light fittings or other obstructions

Installation & Interconnecting Smoke Alarms:

1. Strip the Active/Neutral and Interconnect (if used) wires back to the strip length shown below.
2. Connect the wires to the correct terminals on the base and ensure the terminal screws are fully tightened.
3. Screw the mounting base onto the ceiling or wall using plugs and screws.
4. Clip the smoke alarm onto the base and install the 9v battery. The smoke alarm will not latch to the base unless battery is installed.
5. Turn on the mains power and check that the green and red LEDs function. The green LED should illuminate to show mains power present. The red LED will pulse every 40-60 seconds to indicate correct operation and that the battery is charged.
6. Press the Test/Hush button for 3 seconds to check the alarm functions correctly. Installation is not deemed complete unless both LEDs are functioning correctly.

Use a minimum of 1.0 mm 250 V insulated wire for all wiring, including interconnecting wiring.

⚠ IMPORTANT

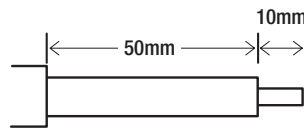
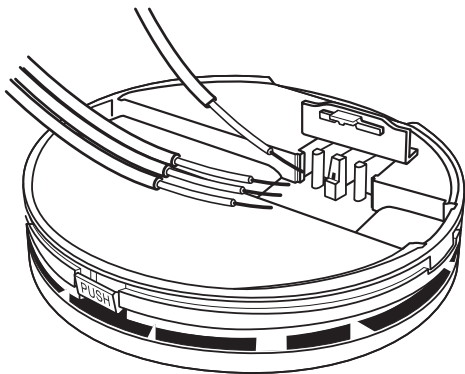
EQUIPMENT INSTALLATION HAZARD

- All interconnected smoke alarms must be supplied from the same circuit.
- A common Neutral must be used for the Interconnect to operate.
- DO NOT connect the Interconnect wire to Active or Neutral.
- Maximum of 40 interconnected smoke alarms.
- Only Red smoke alarms can be interconnected.

WARNING: Failure to follow these instructions may result in equipment damage, injury, or void warranty.

⚠ CAUTION

- Red LED flashes very quickly (3 times per second) without sound. This means neutral connection is bad or wiring is incorrect. Please check wiring and connection of smoke alarms with flashing red LED and rectify wiring issue immediately.
- An optional wireless base (RWB) may be purchased separately if wired connection is not possible.

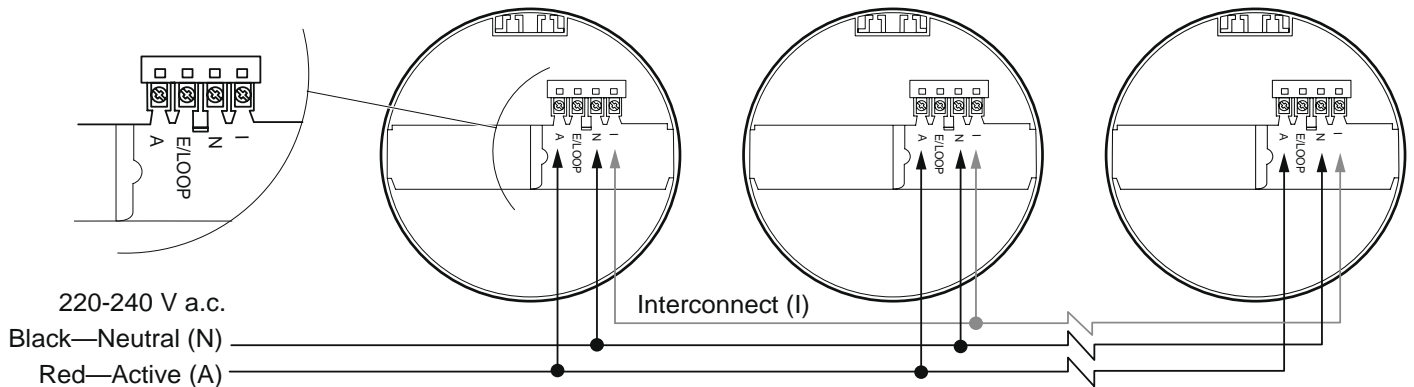


NOTICE - EQUIPMENT INSTALLATION COMPLIANCE

This smoke alarm must be installed in accordance with the National Electrical Code and any local state legislation requirements. Failure to follow these instructions may result in a non-compliant installation.

TERMINAL

A:	Active / Line
E/LOOP:	Earth or Loop
N:	Neutral
I:	Interconnect



Warranty:

Red Smoke Alarm has a service life of at least 10 years under normal use.

Red Smoke Alarms warrants this product to be free from defects in materials and workmanship for a period of ten (10) years from the date of installation. Refer to the Red Smoke Alarms terms of sale for full warranty conditions. <http://www.redsmokealarms.com.au>



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Red Smoke Alarms reserves the right to change specifications, modify designs and discontinue items without incurring obligation and whilst every effort is made to ensure that descriptions, specifications and other information in this catalogue are correct, no warranty is given in respect thereof and the company shall not be liable for any error therein.

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