

# 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.

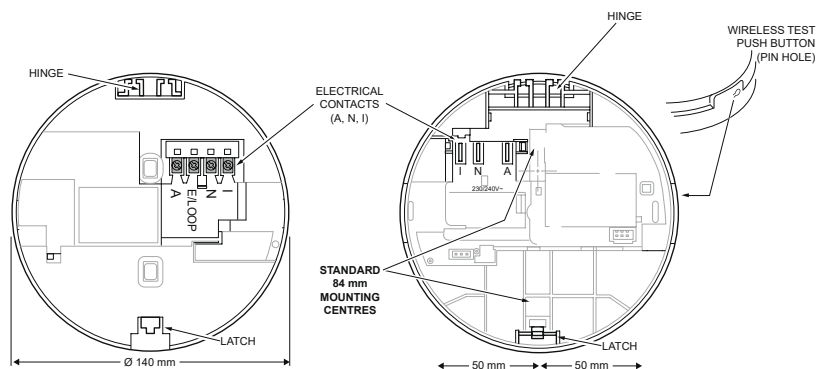
The RWB will also wirelessly interconnect with the RF Lithium Battery powered smoke alarm R10RF.

### ⚠ 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:

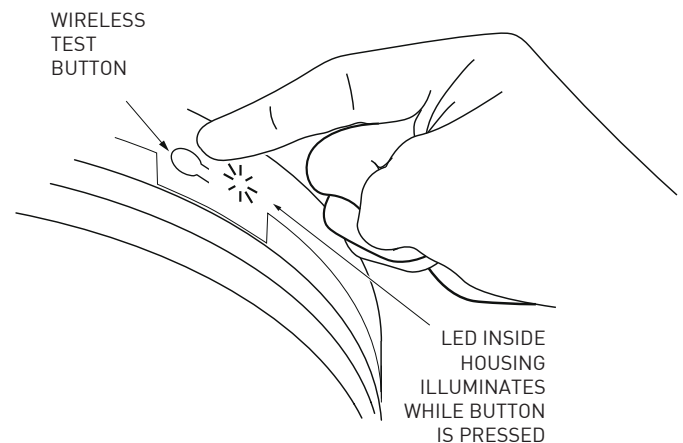
1. Complete installation and turn on the mains power supply.
2. Select one of the wireless bases as the MASTER unit. Place the MASTER label near the wireless self-pairing button. Treat all other units as BRANCH units.
3. On the MASTER wireless base, by hand, press and hold the wireless self-pairing button 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.

### ⚠ IMPORTANT

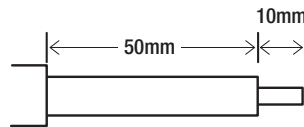
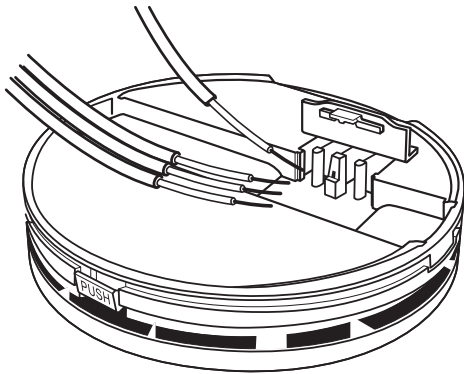
#### EQUIPMENT INSTALLATION HAZARD

- 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.



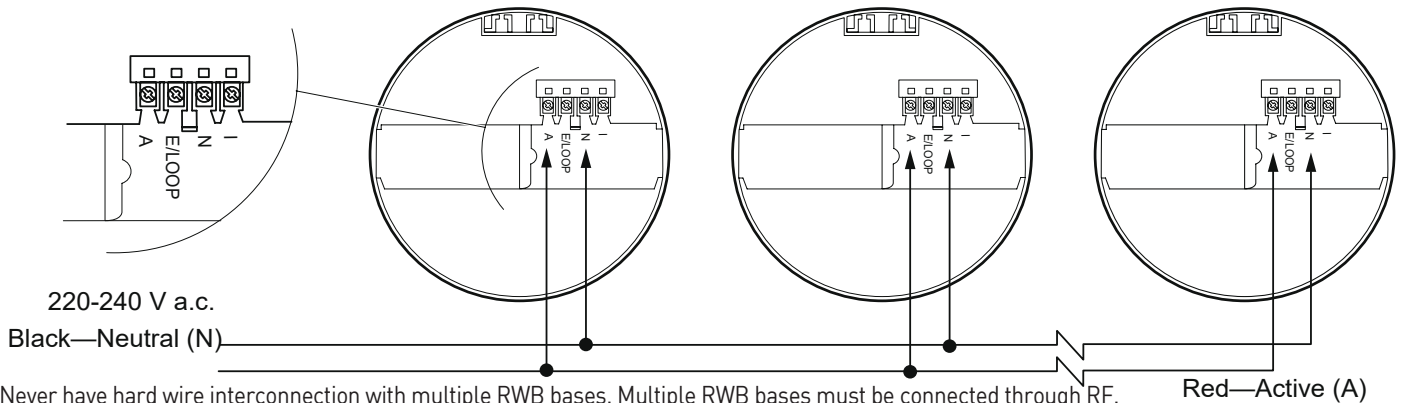
#### NOTICE - EQUIPMENT INSTALLATION COMPLIANCE

Follow National/State Electrical Codes and any local state legislation requirements. Cable sizing must be in accordance with AS/NZS 3000:2018 wiring regulations and adhere to state regulations a minimum of 1.0 mm² 250 V.

Interconnect cable on alarms must be SDI cable. (No 4core/aircon wire to be used) Failure to follow will void warranty.

#### TERMINAL

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



Never have hard wire interconnection with multiple RWB bases. Multiple RWB bases must be connected through RF. RWB interconnect terminal is only for connection directly to other smoke alarms and/or heat alarms.

### Warranty:

Red smoke alarms have a service life of 10 years under normal use. Australian Standards stipulate that smoke alarms must be replaced when the alarm reaches 10 years of age from the manufacture date. Red Smoke Alarms warrants this product to be free from defects in materials and workmanship for a period of ten (10) years from the manufacture date of the alarm. This ten (10) year warranty applies to the first purchaser only – for subsequent purchasers, the warranty is five (5) years from the manufacture date.



**SMOKE ALARMS**

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