

## Remote Test/Hush Feature

### DESCRIPTION

The Remote Test/Hush feature is controlled by the main smoke alarm unit. The wireless base provides an optional connection for Remote Test/Hush buttons (dry contact momentary remote switch(es) such as Clipsal Bell Press switches). The connections are located under a screw-down cover (see (A) in the diagram below).

### CONNECTION OPTIONS FOR REMOTE TEST / HUSH BUTTONS

It is possible to connect remote buttons as either separate Test and Hush buttons, or as a single Test / Hush button to perform both functions. (See the diagram on the right.)

- **Wiring capacity of each terminal:** 2 × 1.5 mm<sup>2</sup> cables.
- **Terminal screws:** All terminal screws are combination screw head type.
- **Max. cable length to the Remote Test / Hush switch:** 20 m.

### TEST FUNCTION (WHEN NO SMOKE IS PRESENT)

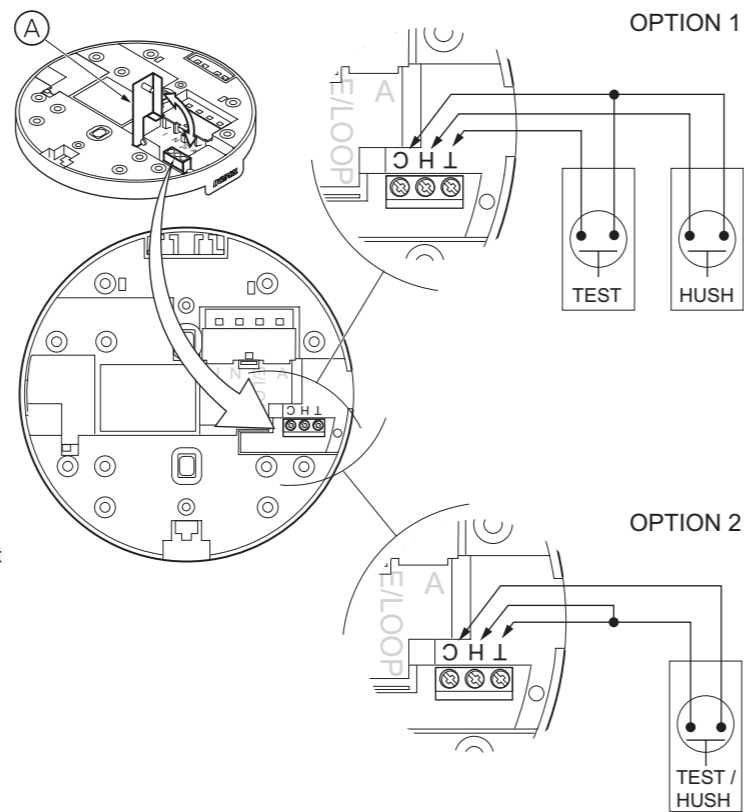
- **Test the LOCAL smoke alarm:** Press and hold either the Remote Test button or the Local Test / Hush button and release within 4 seconds. Only the local smoke alarm will sound.
- **Test the LINKED smoke alarms:** Press and hold either the Remote Test button or the Local Test / Hush button for more than 5 seconds. The linked alarms will sound.

**Note for wireless interconnection:** After 5 seconds, a signal of 15 seconds duration is sent to all units. When the wireless linked smoke alarms detect the signal, they will sound until the signal is no longer transmitted. The wireless detection interval is 10 seconds.

**Important information:** After the Test / Hush button has been pressed, wait 10 minutes before any additional testing is conducted to avoid any false alarm responses as product has reduced sensitivity during this period.

### WHEN SMOKE IS PRESENT

- Pressing the Remote Hush button or the Local Test / Hush button will silence the alarm only if the smoke alarm fitted to the wireless base is the one that has detected smoke.
- All smoke alarms that are interconnected will also fall silent.
- Pressing the Remote Hush button or the Local Test / Hush button will **not** silence the alarm if the smoke alarm is **not** the one that has detected smoke.
- Where wireless interconnection is used, it is possible that multiple smoke alarms detect smoke. In order to silence the alarms in such cases, you must press the Local Test / Hush button on every smoke alarm that has detected smoke.



### Disposal

It is recommended to dispose of this device at an authorised electronic waste collection point. Professional recycling protects people and the environment against potential negative effects.

### Warranty Statement

We warrant this product to be free from defects in materials and workmanship for a period of 5 (five) years from the date of installation.

If you have technical questions, please contact the Customer Care Centre in your country.

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## FIRE&TEK® MOUNTING BASE 755RFB

Smoke Alarm Mounting Base with Wireless Interconnect



by Schneider Electric

PLEASE LEAVE THESE INSTRUCTIONS WITH THE OCCUPANT, TO BE RETAINED FOR THE LIFE OF THE PRODUCT. THIS PRODUCT MUST BE INSTALLED BY A LICENSED ELECTRICIAN.

### Read all Instructions before Installation and Operation

This instruction leaflet contains important information on the correct installation and operation of your wireless mounting base. Read these instructions fully before attempting installation and retain them for future reference. DO NOT try to open or repair this product yourself. There are no user-serviceable parts inside.

### Product Description

#### COMPATIBILITY

The Clipsal 755RFB Smoke Alarm Mounting Base with Wireless Interconnect is designed for use with Clipsal 755 Series 2 smoke alarms.

**Note:** This wireless base is not compatible with third party products or systems such as fire panels. Not compatible with 755RFB2 base nor 755LPSMA4 Smoke alarm.

#### FEATURES

- Interconnect up to 40 smoke alarms (wired) or 20 smoke alarms (wireless)
- Dry contact input—enables Test / Hush operation from a momentary switch
- Easy installation and smoke alarm fitment
- Rechargeable battery backup—allows the base to communicate with any wireless interconnected smoke alarms if smoke is detected during a mains power outage
- Low Battery warning
- Installer-configurable house codes for wireless interconnection
- Suitable for use with 755PSMA2 / 4 and 755RLPSMA2 / 4 surface mount smoke alarms.

#### APPLICATION

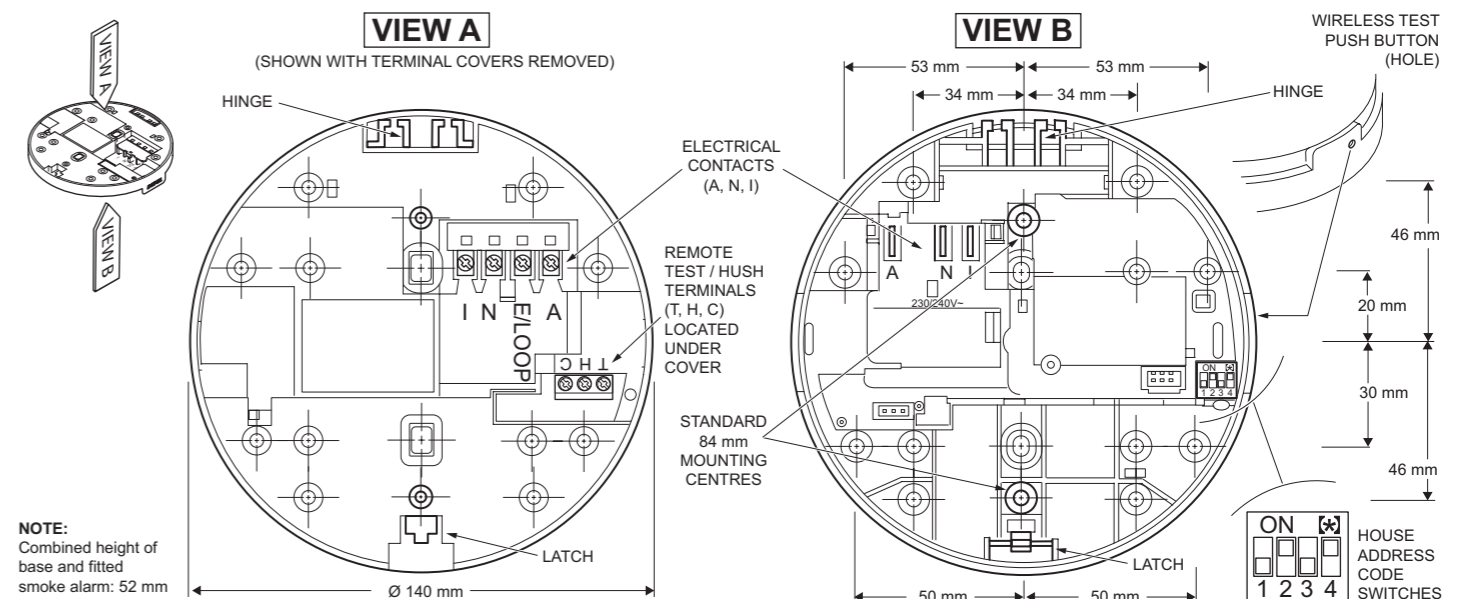
The wireless base has a built-in signal transmitter and receiver. The base transmits a Radio Frequency (RF) alarm signal when the connected smoke alarm unit detects smoke. When the wireless base receives an RF alarm signal from another wireless base, it causes the connected smoke alarm to sound.

This interconnect feature allows up to 20 wireless units to be interconnected together with a 30 metre indoor range.

The wireless mounting base eliminates the need to install long interconnect wires between different floors or rooms. The 755RFB also has a Remote Test/Hush feature which can be activated by connecting a momentary dry contact switch, such as a Clipsal Bell Press Switch. (See the section 'Remote Test/Hush Feature'.)

### Specifications

Main Power Source:	220-240 V a.c., 50 Hz	Interconnecting:	Max. 20 alarms (wireless) Max. 40 alarms (wired over 150 metres maximum)
Secondary Power Source:	Sealed rechargeable battery	Transmit Frequency:	433.92 MHz
Operating Current:	≤40 mA	RF Range:	100 m free air, 30 m indoors
Battery Life:	Ten years	Coding Selection:	16 combinations
Terminal Provisions:	Active, Neutral, Loop and Interconnect terminals, each accommodates 2×1.5 mm <sup>2</sup>	Remote Input:	Dry contact momentary switch (for Remote Test / Hush function)
Operating Temperature:	0 °C to 45 °C	Approvals:	Activfire RCM
Ambient Humidity:	5% to 95%	Complies with:	AS/NZS 3100 AS/NZS 4268



**NOTE:** Combined height of base and fitted smoke alarm: 52 mm

## Installation

### **⚠️ ⚠️ DANGER**

#### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- This product must only be installed and serviced by appropriately qualified and/or licenced electrical personnel.
- This product must only be used for the purpose described in these instructions and must be installed in accordance with the wiring rules and regulations in that location.
- Isolate the electrical supply before doing any work on this product.
- Ensure the product has been correctly installed and tested for safe operation before reconnecting the electrical supply.

**Failure to follow these instructions will result in death or serious injury.**

## READ THIS BEFORE INSTALLING THE PRODUCT

### NOTICE

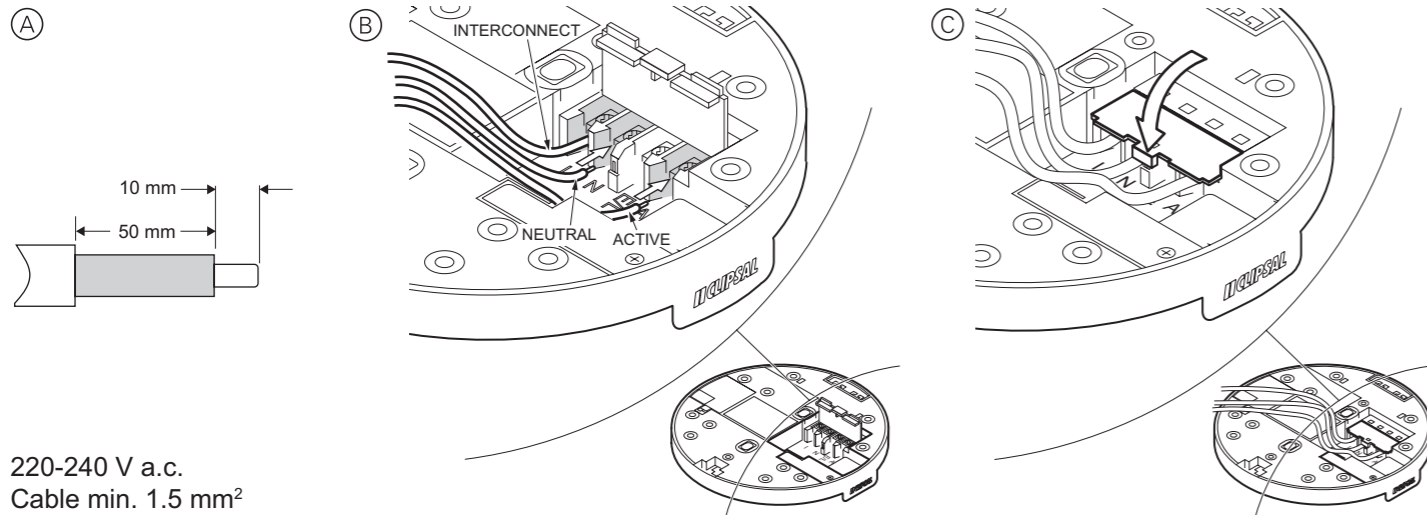
#### EQUIPMENT INSTALLATION COMPLIANCE

This product must be installed in accordance with the National Construction Code and any local state legislation requirements.

**Failure to follow these instructions may result in a non-compliant installation.**

- Do not connect to a circuit which also has inductive loads connected—spikes generated by switching inductive loads may damage electric components within the wireless base or connected smoke alarm.
- The wireless base is suitable for indoor use only.
- Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.
- The chosen location of the wireless base should allow for the product to be securely mounted (e.g. to a ceiling joist) and safely connected to the mains supply.
- Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).
- If the location of the wireless base requires the provision of a new electrical supply, the supply must conform with the requirements of the Building Regulations.
- Smoke alarms must be mounted at least 300 mm from light fittings or other obstructions. (See the installation instructions supplied with the smoke alarm.)
- Make connections to the electrical supply in accordance with the following code:
  - **Active:** Red
  - **Neutral:** Black
  - **Loop:** Loop terminal usually used for earth wire.
- All interconnected smoke alarms must be supplied from a single circuit. A common Neutral must be used for the Interconnect to function. Do not connect the Interconnect wire to Active or Neutral.
- **Use a minimum of 1.5 mm<sup>2</sup> 250 V insulated wire for all wiring, including interconnecting wiring.**

## INSTALLATION PROCEDURE



220-240 V a.c.  
Cable min. 1.5 mm<sup>2</sup>

1. Strip the Active, Neutral and Interconnect (if used) wires back to the strip length shown in (A) in the diagram above.
2. Connect the wires to the correct terminals on the base (see (B) in the diagram above) and ensure the terminal screws are fully tightened.
3. Clip the terminal cover closed to avoid contact with the live terminals.
4. Screw the mounting base onto the ceiling or wall using appropriate fasteners.
5. Clip the smoke alarm on to the base.
6. **(755PSMA2 / 4 smoke alarm only)** Install the 9 V battery. See the instruction leaflet supplied with the 755PSMA2 / 4 smoke alarm for details.

**Note:** The smoke alarm base will only close with a battery installed. Do not attempt to close without a battery installed.

7. Turn on the mains power and check that the smoke alarm Green and Red LEDs function:
  - a. The Green LED should illuminate to show mains power present.
  - b. The Red LED will pulse every 40–60 seconds to indicate correct operation and that the backup battery is okay.
8. Press the Test / Hush button to check that the alarm works.

**Installation is not complete until both LEDs are functioning correctly and the alarm has been checked for correct operation.**

## Interconnecting Smoke Alarms

### HOW INTERCONNECTED ALARMS FUNCTION

- Interconnecting smoke alarms is a method of joining a series of alarms so that if any one alarm senses smoke, all the connected alarms will operate (alarm).
- A 9 V signal is applied to the interconnect wire (referenced to neutral) to alarm all the other interconnected alarms.

### WIRED INTERCONNECTION SETUP

### **⚠️ CAUTION**

#### RISK OF INJURY AND EQUIPMENT DAMAGE / MALFUNCTION

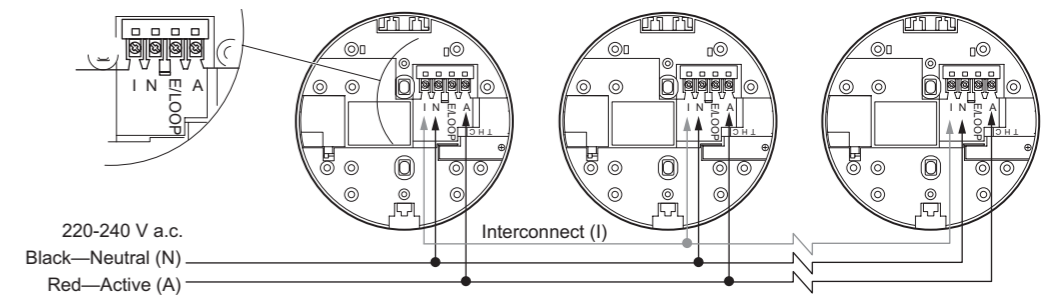
- All interconnected smoke alarms (max 40) must be supplied from the same interconnection. A common Neutral must be used for the interconnect to operate.
- DO NOT connect the interconnect wire to Active or Neutral.
- Do not connect to a which also has inductive loads connected. Spikes generated by switching inductive loads may damage electrical components within the wireless base or connected smoke alarm.
- Make sure each alarm is fitted to a base and power is connected before setting up interconnection.
- Do not open this base, as there are no user-serviceable parts inside.

**Failure to follow these instructions may result in injury and equipment damage / malfunction.**

### TERMINAL

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

Max. Interconnected Alarms: **40**  
Max. wiring length between first and last alarm: **150 m**

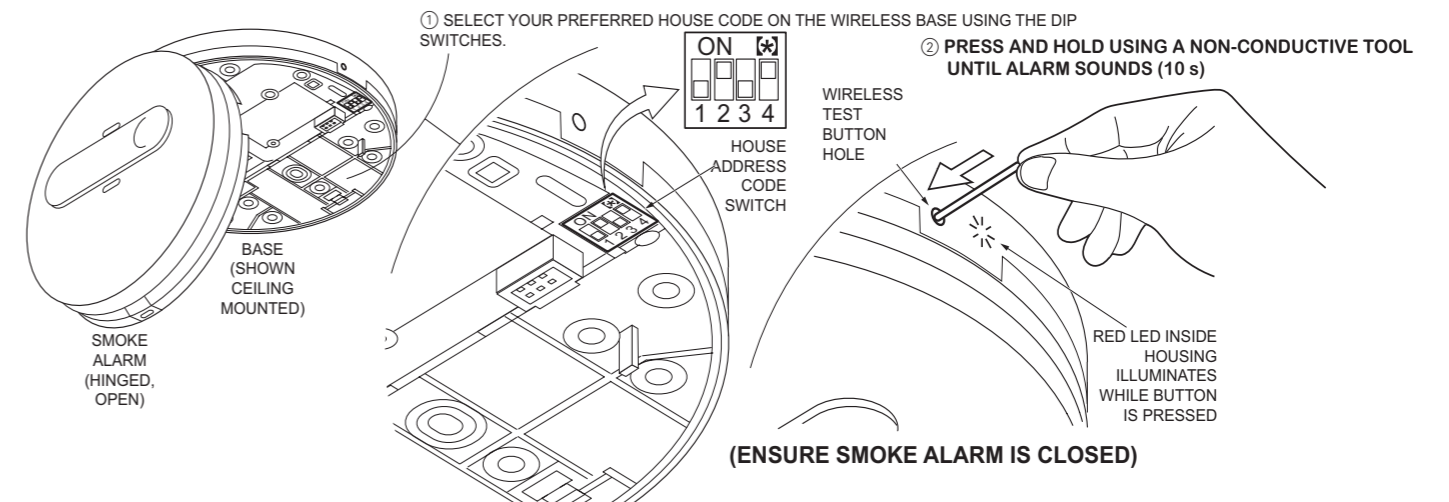


### WIRELESS INTERCONNECTION SETUP

**Note:** The maximum number of bases that can be interconnected using wireless is 20. Only Series 2 and Series 4 smoke alarms are compatible with the wireless smoke alarm bases.

#### Searching for an Available Wireless House Code

- The purpose of this search is to check that the desired house address code is not already being used by another installation within the operational area.
- The search process should take no longer than 2 minutes for each code scan.



### PROCEDURE: SEARCH FOR AN AVAILABLE WIRELESS HOUSE CODE

1. Select your preferred house code on the wireless base using the dip switches. See ① above.
2. Install a smoke alarm onto the wireless base, ensuring smoke alarm is latched closed correctly.
3. Ensure that the mains supply is present and the green LED indicator is illuminated.
4. Using a **non-conductive tool**, press and hold the wireless test button (see ② above) for approximately 10 seconds until the smoke alarm sounds at least once. The LED indicator located next to the test push button will illuminate whilst the test button is depressed.
5. Wait for at least 2 minutes:
  - a. If there is another installation with the same wireless house code as yours in the operational area, your smoke alarm will emit a sound.
  - b. If a conflict is detected, select an alternate wireless house code address using the dip switches, and repeat the above steps until there is no conflict.
6. If your smoke alarm does not sound during the 2 minutes of testing, it means there are no other installations using the same code.

**Note:** During the wireless house code conflict search process, other smoke alarms within the vicinity with conflicting codes will not sound. Only the smoke alarm connected to the wireless base being tested will announce a conflict.