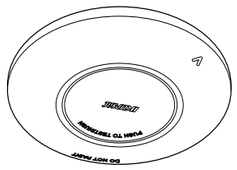
FIRE TEK® **Smoke alarm**

755LPSMA4

Lithium Battery Powered Photoelectric Smoke Alarm with Wireless Interconnect



CLIPSAL by Schneider Electric

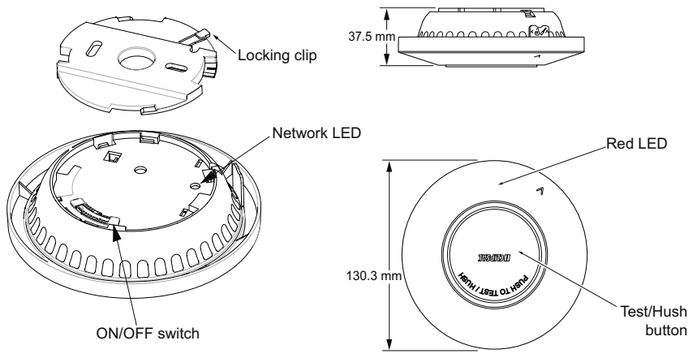
More information is available

https://download.schneider-electric.com/files?p_Doc_Ref=EAV8159103

Scan the QR code for more information about your Clipsal smoke alarm:

- What smoke alarms can and cannot do.
- Developing and practicing a plan of escape.
- What to do if an alarm sounds.

Operating elements

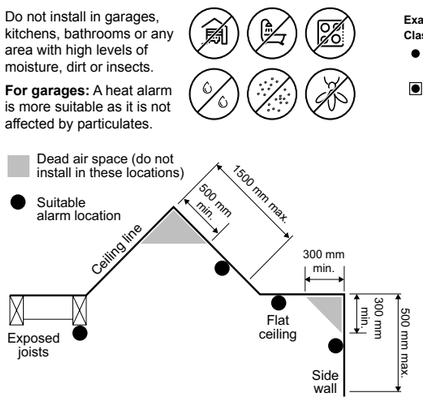


Installation location

Install more than 1 m away from air conditioner/heater vents and fans, electrical sources, appliances and fittings. >1 m:

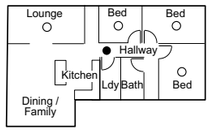
Do not install in garages, kitchens, bathrooms or any area with high levels of moisture, dirt or insects.

For garages: A heat alarm is more suitable as it is not affected by particulates.



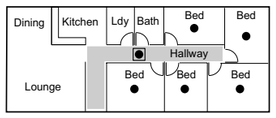
Example: Class 1a building

- Smoke alarm
- Recommended additional alarms (or as required by legislation)



Example: Class 1b building

- Smoke alarm
- Smoke alarm with evacuation lighting

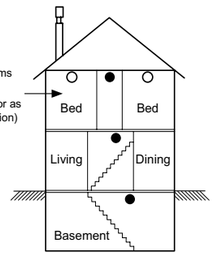


Multi-storeys with bedrooms:

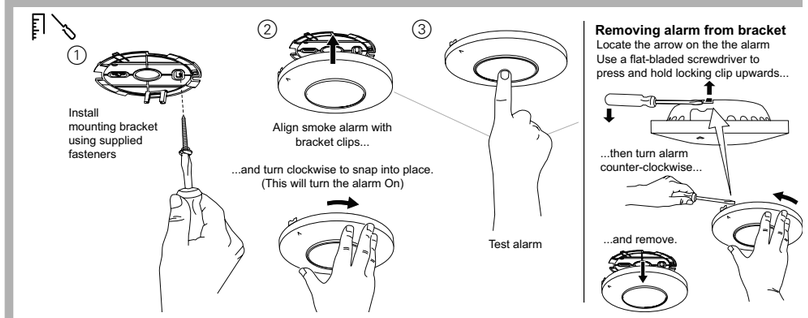
- Alarm in hallway connecting bedrooms
- Recommended additional alarms (or as required by legislation)

Multi-storeys with no bedrooms:

- Alarms located in the area of the stairway.

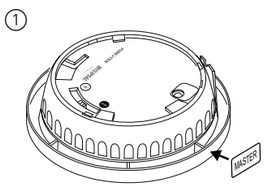


Installation



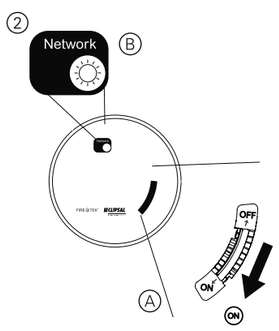
Interconnected alarms (do this before mounting alarms)

Preparing the MASTER alarm



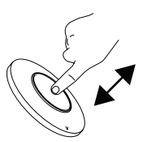
Choose a smoke alarm as MASTER and apply 'Master' label.

Treat all other alarms as SLAVE.

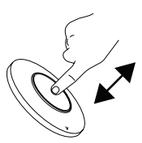


Switch Master and all Slave alarms ON.

Adding SLAVE alarms



Press **MASTER** Test/Hush 3 times in 2 seconds. (Network LED Ⓑ turns on for 30 s.)



Press **SLAVE** Test/Hush 3 times in 2 seconds while MASTER blue LED is On.

Network LED flashes red or green for 3 seconds.

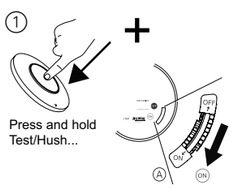
Then, both Master and Slave Network LEDs turn on for a further 3 seconds indicating successful interconnection.

⑤ Repeat step ④ on all SLAVE alarms.

⑥ Test on one unit after MASTER network LED has turned off. Refer to *Testing the smoke alarm.*

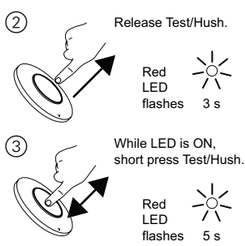
Removing SLAVE alarms

Notes:
① Never remove the MASTER alarm.
② Remove slave alarm from bracket before performing the steps below.

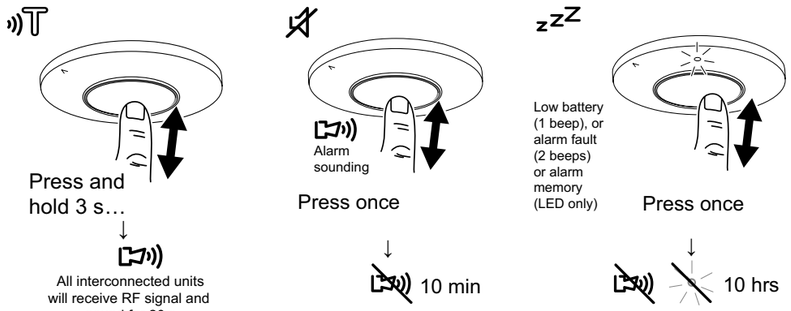


... and manually switch ON this Slave alarm.

Note: Keep holding Test/Hush until red LED turns off.



Operating the smoke alarm



General information

- Leave these instructions with the occupant, to be retained for the life of the alarm.
- It is recommended that this smoke alarm be installed by a licenced electrician.
- Do not remove dust cover until 24 hours after all construction has been completed. Construction dust and chemicals can cause contamination and false alarms.
- **Important:** Dust cover must be removed before smoke alarm will operate correctly.

For your safety

⚠ CAUTION

EQUIPMENT INSTALLATION HAZARD

- 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.
- Ensure the product has been correctly installed and tested for safe operation.
- Only install indoors.
- The 755LPSMA4 is wirelessly compatible with wireless base 755RFB2.
- **The 755LPSMA4 is NOT compatible with wireless base 755RFB.**
- Check the function and wireless interconnection on each smoke alarm.
- Test each wireless interconnected unit 1 by 1. Press and hold the Test button until second burst of 3 beeps has finished. If any unit fails to alarm, check all wireless connections.
- Press and hold the Test/Hush button on one smoke alarm until it sounds, then check that the red LED is flashing on all interconnected smoke alarms.

Failure to follow these instructions may result in equipment damage.

Operating elements

- Network LED (wireless pairing indication: yellow/blue and green: master and slave pairing modes).
- Red LED (low battery, alarm, test and hush indicator). The LED is located within the smoke alarm casing and is visible when On.

Choosing the installation location

NOTICE

EQUIPMENT INSTALLATION COMPLIANCE

This smoke alarm 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.

Prior to installing, ensure there are no obstructions in ceiling mounting locations, such as pipes or cables.

Installing the smoke alarm

- Only install smoke alarm indoors in a stand-alone or wireless interconnected set up (see *Interconnected alarms*).
- Set up wireless interconnection before installing the alarms (see *Interconnected alarms*).
- Do not remove the dust cover until you are ready to pair and test the unit. See ⇨
- Replace the cover if construction activity is onging after smoke alarm installation.

Interconnecting smoke alarms

Wireless interconnection on the 755LPSMA4 smoke alarm is designed for easy installation and no wiring is required.

An optional wireless base (catalogue No. 755RFB2) can be purchased separately to wirelessly interconnect with 755PSMA4 or 755RLPSMA4 mains powered smoke alarms.

Pairing between 755LPSMA4 smoke alarms

⇨ (see *Interconnected alarms*)

Pairing between 755LPSMA4 and 755RFB2

① It is recommended to use 755RFB2 base as the MASTER. Place the MASTER label on this unit. Treat all other units as SLAVE units.

② Power on all units.

③ Enter pairing mode on the 755RFB2 MASTER unit by pressing the wireless pairing button 3 times quickly within 2 seconds (the red LED will come on for 2 minutes). While the wireless base is in pairing mode, the SLAVE 755LPSMA4 alarms can now be paired.

④ Refer step ④ of "Adding SLAVE alarms" of Interconnected alarms.

⑤ Repeat step ④ on all other SLAVE units.

Always test alarm system operation after interconnected smoke alarms are added or removed.

NOTICE

EQUIPMENT INSTALLATION HAZARD

- Maximum of 40 interconnected smoke alarms.
- Only Clipsal 755LPSMA4 smoke alarms and Clipsal smoke alarms connected to the 755RFB2 base are compatible for interconnection with this alarm.

Failure to follow these instructions may result in equipment damage.

Mounting the smoke alarm

⇨

Operating the smoke alarm

Testing the smoke alarm

⇨

⚠ CAUTION

DO NOT USE OPEN FLAME

Never use an open flame of any type to test your alarm.

Failure to follow this instruction may result in injury or equipment damage.

- **Test the smoke alarm once per month to ensure proper operation.**
- Press the Test/Hush button on each alarm for three seconds until the alarm sounds. If no alarm sounds, there is a defective battery or other failure. Refer to *Troubleshooting*.
- If the smoke alarm is installed in a mobile home, test weekly and before every journey.
- Check that all interconnected smoke alarms operate during the test.

Testing interconnected smoke alarms

- The 755LPSMA4 smoke alarm will send out a wireless signal once the Test/Hush button is pressed. All interconnected alarms will sound for 20 seconds without LED flashing.
- The 755RFB2 base will send out a wireless signal if the fitted smoke alarm Test/Hush button is held for more than 8 seconds. All interconnected 755LPSMA4 alarms will sound for ~ 30 seconds without LED flashing.
- If alarm does not sound on the interconnected units, check wireless interconnection setup and if distance between alarms is within the specification.
- Repeat the test on all of the alarms.

Silencing the smoke alarm (Hush feature)

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- When Test/Hush button is pressed during an alarm event, the smoke alarm is not sensitive to smoke for 10 minutes, after which the alarm resumes normal operation. During this hush time, the red LED flashes once every 8 seconds.
- If more than one alarm is interconnected, identify the alarm with the red flashing LED, as this will be only alarm that can be hushed. All interconnected alarms will stop sounding within 5 to 10 seconds after the initial alarm is hushed.
- If more than one alarm has a flashing red LED and sounding, the Test/Hush button on all alarms will all need to be pressed.
- Wait 10 minutes before performing any additional testing to avoid any abnormal alarm responses.

Snoozing smoke alarm alerts

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Low battery

When the battery gets low, the red LED flashes once every 40 seconds, together with a beep sound. You can snooze the low battery indication for 10 hours by pressing the Test/Hush button once.

Alarm fault

When an alarm fault is detected 2 beeps will sound every 40 seconds without LED flashing. You can snooze the alarm fault indication for 10 hours by pressing the Test/Hush button once.

Alarm memory

In an interconnected alarm group, the red LED on the triggered alarm flashes once every 2 seconds for 72 hours after the alarm beeping has stopped, so that you can identify the unit as the alarm that was triggered. Press the Test/Hush button once to snooze the flashing LED for 10 hours. The snooze function for the alarm memory can be repeated as often as desired up to the 72 hour limit.

LED and sound indications

Red LED/Sound

Operating mode		Red LED	Sound	Duration
Normal mode / Standby mode		1 flash every 40 s	OFF	—
ALARM MODE	Local alarm	1 flash every 1 s	Continuous 3 beeps every 4 s	—
ALARM MODE	Interconnected alarm	OFF	Continuous 3 beeps every 4 s	—
Test mode		1 flash every 1 s	3 beeps every 4 s	Until Test/ Hush released
Wireless Interconnection Test		OFF	Continuous 3 beeps every 4 s	20 s
Hush mode		1 flash every 8 s	OFF	10 min
Low battery mode		1 flash every 40 s	1 beep every 40 s	End of life: replace smoke alarm
Fault mode		2 flashes every 40 s	2 beeps every 40 s	Until fault has been cleared
Alarm memory		1 flash every 2 s	OFF	72 hrs
SNOOZE MODE	Low battery	1 flash every 24 s	OFF	10 hrs
SNOOZE MODE	Fault	2 flashes every 24 s	OFF	10 hrs
SNOOZE MODE	Alarm memory	1 flash every 40 s	OFF	10 hrs

Network LED

Operating mode		Network LED	Duration
INTERCONNECTION	Master alarm in pairing mode	Blue LED is ON	30 s max. Additional 30 s after each successful pairing.
INTERCONNECTION	Slave alarm in pairing mode (first time)	Red LED is ON	3 s
INTERCONNECTION	Slave alarm in pairing mode (previously paired)	Green LED is ON	3 s
INTERCONNECTION	Master and slave alarm pairing successful	Green LED is ON	3 s
INTERCONNECTION	Master alarm after pairing completed	Blue LED is ON	30 s
INTERCONNECTION	Slave alarm pairing unsuccessful	Blue LED is ON	30 s

Troubleshooting

Problem	Resolution/Action
Smoke alarm does not sound when tested	1. Make sure POWER switch is ON. Fit the smoke alarm on the bracket and turn the alarm body clockwise until a click is heard. 2. Press **Test/Hush** button until it sounds. Do not quick press. 3. If problem persists, refer to *Warranty* section, and replace smoke alarm. If out of warranty, replace with new smoke alarm.
Smoke alarm beeps & red LED flashing once every 40 s	Battery is in low voltage condition. Replace the smoke alarm.
Smoke alarm beeps twice with LED flashing every 40 s	1. Clean smoke alarm. Refer to *Maintenance, Repairs & Service*. 2. If problem persists refer to *Warranty* section, and replace smoke alarm. If out of warranty, replace with new smoke alarm.
Smoke alarm sounds unexpectedly when smoke or steam is not present	1. Identify the smoke alarm that has initiated the alarm indicated by a flashing red LED and sound warning of 3 beeps every 4 seconds. 2. Press **Test/Hush** button on the smoke alarm to pause the alarm. Interconnected alarms will stop sounding in 5 to 10 s. 3. Clean smoke alarm. Refer to *Maintenance, Repairs & Service*. 4. Move smoke alarm to a new location and test.
Nuisance/false alarm (Smoke alarm sounds without any smoke present)	1. Identify the smoke alarm that has initiated the alarm indicated by a flashing red LED and sound warning of 3 beeps every 4 s. 2. Press **Test/Hush** button on the smoke alarm to pause the alarm. Interconnected alarms will stop sounding in 5 to 10 s. 3. Clean smoke alarm. Refer to *Maintenance, Repairs & Service*. 4. If problem persists refer to *Warranty*. If out of warranty, replace this alarm only.

False Alarm

In the event of a false alarm in an interconnected group, it is important to identify the triggering alarm(s). These alarms may need to be cleaned, serviced or replaced if necessary.

When alarms are sounding without any smoke present:

- Identify which smoke alarm/s are being triggered – Look for the alarm/s with sound and red LED flashing.
- Unclip all identified smoke alarms, then all interconnected alarms will stop alarming in 1 minute.
- If the alarming stops before you have identified the alarms that are being triggered, look for any alarms with the red LED flashing once every 2 seconds.
- Clean smoke alarms in accordance with the *Maintenance, Repairs & Service* section.
- Re-install and test all the smoke alarms.

If all of the above fails, contact a licenced electrician for replacement.

Maintenance, Repairs & Service

It is recommended that the smoke alarm is inspected monthly to ensure it is free from dirt, dust and insects. The alarm can be vacuumed or brushed with a soft brush to remove dust, dirt or kitchen grease that has accumulated. Apply a small amount of insect surface spray to a cloth and wipe around alarm/s every 3–6 months to mitigate insect ingress.

ALWAYS TEST ALARM AFTER CLEANING

NOTICE

EQUIPMENT MAINTENANCE INSTRUCTIONS

- Test this smoke alarm regularly to ensure the unit is functional and that the battery is in good condition.
- Replace the smoke alarm 10 years after date of manufacture.
- Do not open the smoke alarm casing or repair the smoke alarm yourself. There are no user-serviceable parts inside.

Failure to follow these instructions may result in equipment malfunction or failure.

Disposal

As the smoke alarm does not contain any radioactive material, disposal with normal rubbish is permitted in Australia and New Zealand.

Before disposal, move the battery disconnect switch to the disconnect position. This will prevent the low battery warning beep when the battery eventually discharges.

Technical data

Battery Life	10 years
Operating Current	≤70 mA
Sensing Type	Photoelectric. This alarm contains NO radioactive material.
Operating Temperature	0 °C to 45 °C
Ambient Humidity	5% to 95%
Interconnecting	Wireless, 40 alarms maximum
Transmit Frequency	433.42 MHz
RF Range	140m free air, 50m indoor line of sight
Horn Level	85 dB at 3m min
Mounting Type	Ceiling and wall mount only
Approvals	Activfire SAI Global RCM
Complies with	AS 3786 AS/NZS 60065

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.

Trademarks and certifications

Schneider Electric acknowledges that the Australian Standard Certified Product logo is a trademark of SAI Global, and that the Activfire Certified logo is a trademark of CSIRO.

Warranty

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.

Customer care

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

Australia

Schneider Electric (Australia) Pty Ltd
Customer Care Australia: 13 73 28
e: customercare.au@schneider-electric.com
www.schneider-electric.com.au

New Zealand

Schneider Electric (NZ) Ltd
After hours service: 0800 735 4357 (NZ only)
Customer Care NZ: 0800 652 999
e: sales@nz.schneider-electric.com
www.schneider-electric.com

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